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1979 MICHIGAN TRAFFIC ACCIDENT FACTS

prepared by the department of state police

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PREFACE

Michigan in 1979 recorded 1,849 traffic deaths, the fifth time in the last six years that the annual fatality count was below the 2,000 mark.

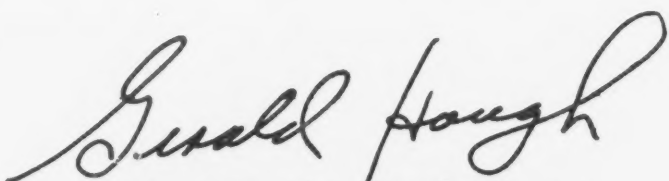
Compared with 1978, fatalities were down 10.9 per cent, injuries were down 3.9 per cent and total accidents were down 5.8 per cent.

Another more significant factor on the plus side was the new all-time low death rate of 2.9 per 100 million miles of travel. This was down from the rate of 3.1 in 1978 and the previous all-time low of 3.0 in 1977.

Exposure factors in 1979 show motor vehicle registrations up 1.3 per cent to 6.54 millions; motor vehicle travel mileage down 3.7 per cent to 64.88 billions; and number of licensed drivers up by 1.6 per cent to 6.35 millions.

Factors influencing the lower traffic death toll and rate in 1979 were felt to include the lower speed limit, a slower-paced economy in some sectors, some labor unrest in areas affecting motor vehicle transport, operating costs of motor vehicles, and the on-going traffic safety efforts of police and other agencies.

Data on accidents in this booklet were obtained from individual reports and summaries provided by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from Departments of Transportation, State and Public Health. Grateful appreciation is expressed to all involved agencies for this assistance.



Colonel Gerald L. Hough, Director
Michigan Department of State Police

TABLE OF CONTENTS

QUICK FACTS 5
TREND STATEMENT 6-8
Trend Tabulations 6
Summary Trends 7-8
PRINCIPAL CLASSES OF MOTOR VEHICLE DEATHS 9
Urban, Rural, Pedestrian, Non-Pedestrian 9
WHEN TRAFFIC ACCIDENTS OCCURRED 9-10
Fatal Accidents by Day and Month 9
Persons Killed by Day and Month 10
Various Time Periods 10
WHERE FATAL TRAFFIC ACCIDENTS OCCUR 11
Statewide Fatality Breakdown by County, 1978-1979 11
MOTOR VEHICLE DEATHS, MILEAGE AND RATES BY MONTH 12
SPECIAL ACCIDENT DATA 12-15
Bicycle Accidents 12-13
Motorcycle and Motor Scooter Data 13
Railroad Accidents 14
Motor Vehicle-Deer Accidents 14
Snowmobile Accidents 14
Farm Equipment Accidents 15
OPERATION C.A.R.E. 15-16
SCHOOL BUS INSPECTION 16
OCCUPANT RESTRAINT 16
AGE OF MAJORITY ACCIDENT DATA 17
BREATH TESTING DATA 18
YOUNG DRIVER DATA 19
PERSONS KILLED BY AGE 20
RESIDENT OF DRIVER 20
ACCIDENT EXPERIENCE BY ROADWAY TYPE 20
MICHIGAN SPEED REPORT 21
Type of Lane and Vehicle 21
Vehicle Average Speed 21
OBJECTS HIT 21
MOTOR VEHICLE REGISTRATIONS 22
DETAILED INFORMATION 23-47
Annual Report 23
Statewide Summary 24-29
Urban Summary 30-35
Rural Summary 36-41
Accident Data, Cities 2,500 Population and Over 42-46
Accident Data, Statewide by County 46-47
COMPARATIVE SUMMARIES 48-56
Deaths by County, 1975-1979 48-49
Deaths by City, 10,000 Population and Over, 1975-1979 50-51
Deaths, Injuries and Accidents by Location, 1961-1979 52
Deaths by Month, by Year, 1937-1979 53
Trend Data for Fatal Accidents, 1975-1979 54
Selected Holiday Data, 1975-1979 55
Accident Related Data, 1933-1979 56

1979 QUICK FACTS

There were 366,435 reported accidents of which 108,569 were personal injury and 256,204 were property damage accidents.

A traffic accident was reported every 1 minute 26 seconds.

Children under the age of 15 accounted for 54.7% of the bicycle deaths.

One person was killed every 4 hours and 44 minutes as a result of a traffic accident.

Of those fatal accidents where the drinking condition was determined, 54.2 per cent indicated that alcohol was a factor.

There were 162,571 persons injured, crippled and maimed.

One person was injured every 3 minutes and 14 seconds in a traffic accident in Michigan.

The economic loss in Michigan traffic accidents amounted to $1,220,500,000.

For each person killed there were 87.9 persons injured.

Excessive speed, or speed too fast for conditions, was indicated in 37.9 per cent of all fatal accidents.

Of the 2,519 drivers involved in fatal accidents, 16.8 per cent were under 20 years of age and 37.1 per cent of all drivers involved in fatal accidents were under 25 years of age.

Of all fatal accidents, 24.2 per cent occurred at intersections.

In the last five years 9,641 persons have been killed in Michigan traffic accidents. This is an average of 1,928 per year. During the previous five-year-period, 10,675 persons were killed for an average of 2,135 per year.

One out of every 4,976 persons living in Michigan was killed in traffic accidents, one out of every 57 persons was injured, one out of every 10.5 motor vehicles registered in Michigan and one out of every 10.2 licensed drivers in Michigan was involved in a traffic accident.

The 1,849 persons killed were the result of 1,662 fatal accidents for an average of 1.11 deaths per fatal accident.

61.9 per cent of all accidents occurred in URBAN areas, BUT 68.6 per cent of all traffic deaths occurred in RURAL areas.

The pedestrian death toll for Michigan stands at 338 persons. This represents a decrease of 13 deaths from the 1978 figure.

For each pedestrian killed, there were 16.3 injured.

Of all pedestrians, 83.4 per cent were killed between intersections.

Of all pedestrians killed 33.7 per cent were under the age of 20 years.

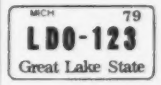
During the past five years, a total of 1,708 pedestrians have been killed, an average of 342 per year.

MICHIGAN TRAFFIC TRENDS 1970–1979

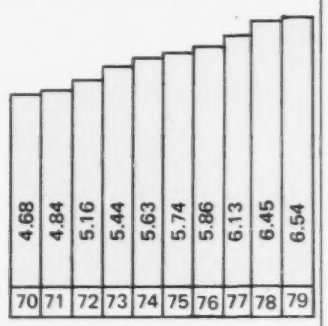
(A 10 Year Comparison)

MOTOR VEHICLE REGISTRATIONS

Millions of Vehicles



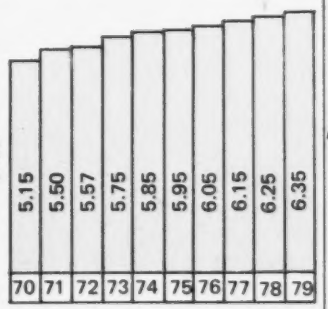
UP 40%



LICENSED DRIVERS

Millions of Drivers

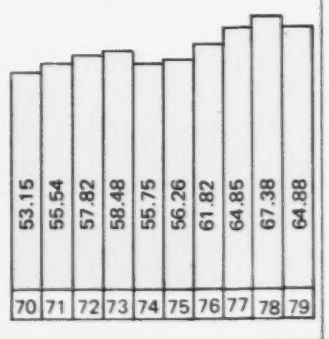
UP 23%



VEHICLE MILES TRAVELED

Billions of Miles

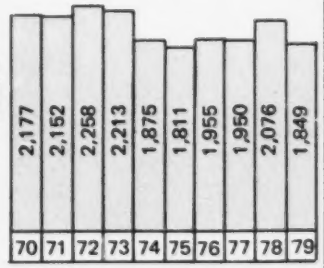
UP 22%



DEATHS

Number of Deaths

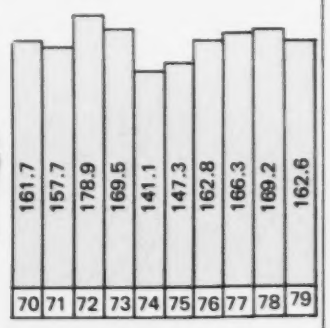
DOWN 15%



INJURIES

Thousands of Injuries

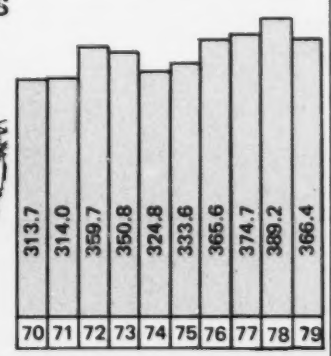
UP 1%



ACCIDENTS

Thousands of Accidents

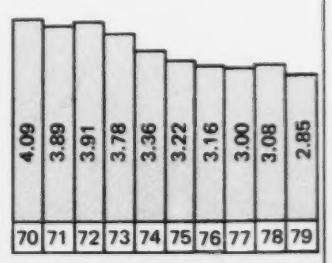
UP 17%



MILEAGE DEATH RATE

Deaths Per 100 Million Vehicle Miles

DOWN 30%



A fatality was counted when a person died due to injuries from a traffic accident, up to one year after the accident. Starting in 1979 this time period was reduced to 90 days after the accident, which resulted in the exclusion of 8 fatalities.

1978-1979 SUMMARY TRENDS

- Total accidents decreased 5.8% statewide.
- Fatal accidents decreased 9.3%.
- Persons killed decreased 10.9%.
- Injury accidents decreased 3.3%.
- Persons injured decreased 3.9%.
- Persons sustaining "A" type injuries (the most serious) decreased 5.2%.
- Vehicle occupants, drivers and passenger deaths decreased 11.6%.
- Non-vehicle occupants, pedestrians, bicyclists, motorcyclists, farm equipment and other deaths decreased 9.3%.
- Drinking was a factor in 54.2% of all fatal accidents where the drinking condition was reported, an increase of 3.3%.

Summary	1978	1979	Percent Change
NUMBER OF ACCIDENTS			
Total Accidents	389,193	366,435	−5.8
Fatal Accidents*	1,833	1,662	−9.3
Personal Injury Accidents	112,259	108,569	−3.3
Property Damage Accidents	275,101	256,204	−6.9
PERSONS KILLED*			
Male	1,489	1,309	−12.1
Female	587	540	−8.0
Total	2,076	1,849	−10.9
Drivers	1,006	899	−10.6
Passengers	470	406	−13.6
Pedestrians	354	338	−4.5
Bicyclists	63	53	−15.9
Motorcyclists	160	126	−21.3
Farm Equipment	5	7	+40.0
Other	21	20	−4.8
Total	2,076	1,849	−10.9
DRINKING IN FATAL ACCIDENTS			
Had Been Drinking	933 (51.3%)	901 (54.8%)	−3.4
Had Not Been Drinking	887 (48.7%)	744 (45.2%)	−16.1
Total	100.0%	100.0%	
PERSONS INJURED			
"A" Injury	24,718	23,443	−5.2
"B" Injury	53,851	51,466	−4.4
"C" Injury	90,633	87,662	−3.3
Total	169,202	162,571	−3.9
PERSONS IN ACCIDENTS			
Killed and Injured	171,278	164,420	−4.0
Not Injured	872,642	812,998	−6.8
Total	1,043,920	977,418	−6.4

***A fatality in 1978 was counted whan a person died due to injuries from a traffic accident, up to 1 year after the accident. Starting in 1979, this time period was reduced to 90 days after the accident.**

The decreases in occupant "A" type injuries are very likely the result of decreases in exposures and speeds.

The continuous presence of alcohol as a factor in accidents indicates a need for more legislature in the accident field whereby all drivers involved in accidents would be subjected to a chemical test to determine their blood-alcohol content.

As a measure of accomplishment, Michigan's death rate per 100 million miles has been driven downward from an all-time high of 16.8 in 1935 to the all-time low 2.85 in 1979. Applying the 100 million mile death rate unit to the past three decades will reveal marked progress in the effort to save lives on the state's highways.

A multi-factored effort may be credited with this overall improvement and rests largely on some rather exhaustive participation by several disciplines. Improved highway engineering techniques, technical advances in automobile design and manufacture, emergency medical treatment advancement, better trained drivers and the efficient use of selective enforcement have all been responsible for this better experience.

Traffic accidents, in general, result from various causes, direct and indirect. The three elements of traffic; the driver, the highway and the motor vehicle, contribute, in some measure, to every accident. A preponderance of evidence, however, points to driver error as the chief cause of the majority of accidents.

Many common driver failures can be cited as contributory factors in accidents. Without any particular priority, enforcement investigation shows irresponsible attitude, lack of skill, inattention, fatigue, physical impairment, lack of knowledge and failure to drive defensively as accident-producing factors. It may be noted that the more experienced driver compensates for many of these self-induced mistakes, drawing on learned skills and experiential techniques.

Significantly, driver age group 15-24 represents 25.1 percent of the total licensed drivers in Michigan. However, they account for a disproportionate number of all accidents at 36.3 percent and an involvement of 37.1 percent in all fatal accidents. Comparing other ten-year age groupings with this record underscores the high risk potential of the group and strengthens conclusions drawn from past law enforcement experiences.

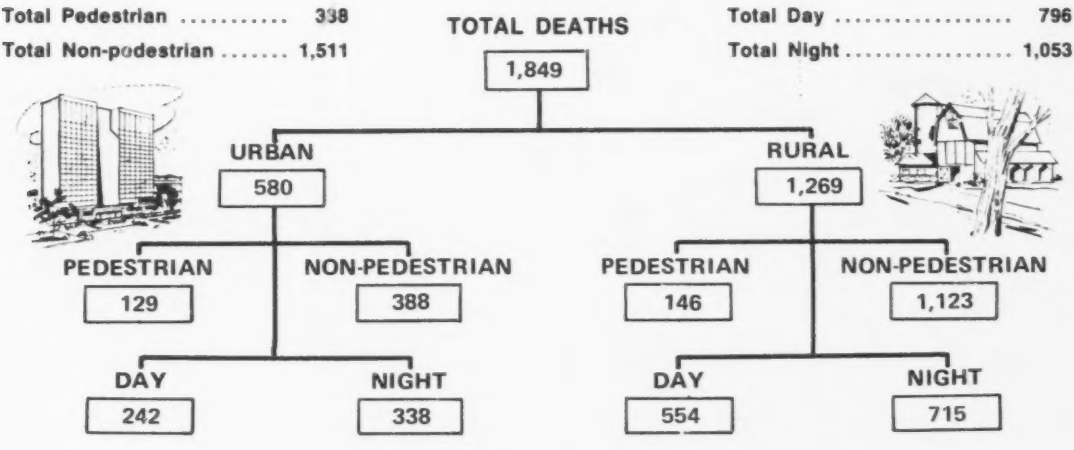
One of the best prospects for accident reduction and safer driving is the continuation of driver education efforts and driver improvement programs. Michigan can currently boast of a national award-winning driver education program, high school oriented and administered by the Department of Education. This program enrolls 97 percent of eligible students in qualifying courses annually. Driver improvement schools, relating to the courts, work to reestablish proper driving skills and attitudes in problem drivers.

With the entrance of the Federal Government into the state traffic safety field (Highway Safety Act of 1966) an acceleration of research and development is producing promising dividends. Variables such as highway design, attitudinal research and program studies are being given a closer look with an eye toward more comprehensive accident prevention planning. Conclusions cannot be easily reached and the complexity of the total problem demands intensified enforcement participation.

With exposure factors of increased traffic continuing to mount, it is obvious that every effort must be made to implement effective programs. The combined Federal-State jurisdictions will need maximum support from officials and citizens alike if the present trend is to be continued and more lives are to be saved.

PRINCIPAL CLASSES OF MOTOR-VEHICLE DEATHS

Two out of every three deaths in 1979 occurred in places classified as rural. In URBAN areas, 33 percent of the victims were pedestrians and in RURAL areas 88 percent of the victims were occupants of motor vehicles. Fifty-seven percent of all deaths occurred in nights accidents.



FATAL ACCIDENTS BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01	1	2	2	5	4	2	9	2	8	4	4	10	53
02	3	4	4	3	1	11	3	7	10	6	7	4	63
03	6	5	7	4	1	9	6	3	2	5	8	5	61
04	1	4	2	4	7	2	11	7	3	3	11	3	58
05	5	2	4	6	10	2	7	6	3	7	*	3	55
06	6	2	2	8	6	5	5	3	2	10	5	3	57
07	3	3	6	4	6	4	12	5	2	3	3	8	59
08	1	2	2	5	2	8	3	5	7	7	6	10	58
09	3	2	7	4	2	5	3	6	7	5	10	3	57
10	2	8	6	6	3	10	1	7	4	5	10	5	67
11	8	*	5	4	12	5	5	8	1	5	3	11	67
12	4	4	4	7	11	2	3	7	5	6	4	4	61
13	5	1	7	9	4	4	4	2	9	7	4	1	57
14	1	3	5	5	2	5	5	2	6	5	5	4	48
15	*	3	1	3	4	8	4	3	10	3	8	6	53
16	*	4	3	*	2	6	5	6	5	1	6	5	43
17	4	6	7	5	3	4	6	9	2	6	8	2	62
18	9	4	7	3	4	4	4	3	6	7	6	3	60
19	5	6	*	6	7	2	8	11	1	7	4	7	64
20	6	1	2	4	5	1	5	5	2	11	2	4	48
21	3	3	2	6	4	2	9	2	*	3	2	9	45
22	1	2	4	4	1	7	7	2	14	8	4	5	59
23	4	4	6	4	2	4	4	1	6	3	6	5	49
24	4	4	5	8	4	7	6	7	5	3	7	7	67
25	2	1	5	1	5	4	5	5	1	3	4	3	39
26	5	2	3	6	5	4	5	8	6	5	3	3	55
27	1	1	2	6	8	4	2	3	2	6	4	5	44
28	1	2	2	5	1	2	9	4	4	9	2	5	46
29	1		3	3	*	4	9	4	8	5	4	4	45
30	1		1	3	*	5	3	3	4	5	4	5	34
31	1		4		2		5	10		2		4	28
TOTALS	97	85	120	141	128	142	173	156	145	165	154	156	1,662

*Deathless Day Holiday Period

PERSONS KILLED BY DATE AND MONTH

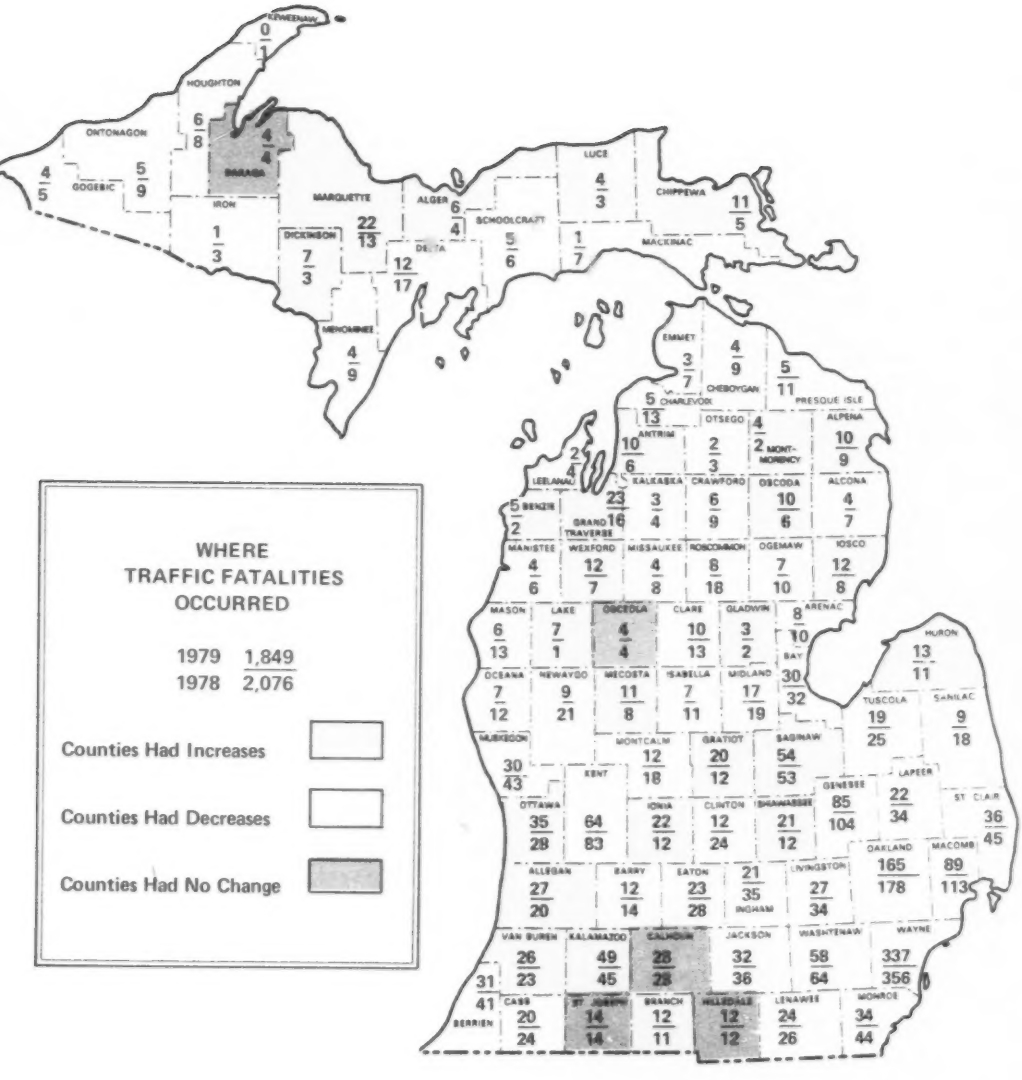
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01	1	2	2	6	4	2	9	2	8	5	5	12	58
02	3	4	5	3	1	12	3	7	14	9	7	4	72
03	7	6	8	4	1	10	6	3	3	5	8	5	66
04	1	4	2	4	8	2	11	7	3	3	12	3	60
05	5	2	4	6	13	2	7	6	3	11	*	3	62
06	7	2	2	9	6	5	5	3	2	14	5	4	64
07	3	5	6	4	6	4	13	5	2	3	3	8	62
08	1	2	2	7	2	8	5	6	10	7	7	11	68
09	3	2	8	4	3	6	4	7	10	5	12	3	67
10	2	13	6	6	3	13	1	7	4	5	10	6	76
11	8	*	6	4	14	7	5	9	2	5	3	11	74
12	4	4	4	7	13	2	4	7	5	8	4	4	66
13	6	1	8	9	4	4	4	2	10	7	4	1	60
14	1	3	5	5	2	5	5	2	9	5	6	4	52
15	*	3	2	4	4	11	4	3	10	3	8	6	58
16	*	6	3	*	2	6	6	7	5	1	6	5	47
17	5	7	7	5	3	4	6	9	2	6	8	2	64
18	9	6	7	3	5	4	4	4	8	8	10	3	71
19	5	6	*	7	7	2	8	11	1	7	4	8	66
20	7	3	2	4	7	1	5	5	2	13	2	4	55
21	3	3	2	7	5	2	11	2	*	3	2	9	49
22	1	3	5	4	1	8	8	2	16	9	4	5	66
23	4	5	6	4	2	4	4	1	6	3	7	5	51
24	4	5	6	9	6	7	8	8	5	3	10	8	79
25	2	1	5	1	6	4	6	5	1	4	5	5	45
26	5	2	4	6	6	4	5	11	8	5	4	3	63
27	1	1	2	7	9	4	4	3	2	6	5	5	49
28	1	2	2	5	1	2	11	4	4	9	2	5	48
29	1		3	5	*	4	10	5	13	6	4	5	56
30	1		1	3	*	6	3	3	6	6	4	8	41
31	1		4		2		5	15		3		4	34
TOTALS	102	103	129	152	146	155	190	171	174	187	171	169	1,849

*Deathless Day Holiday Period

This year Michigan experienced 9 deathless days on Michigan highways compared to 8 in 1978. Thirty-three percent of the deathless days being in the months of January and February.

MICHIGAN TRAFFIC ACCIDENT FACTS FOR VARIOUS TIME PERIODS

Accident Facts	During 1979			Yearly Comparison		% Change 78-79
	Per Day	Per Week	Per Month	1978	1979	
Deaths	5.1	35.6	154	2,076	1,849	−10.9
Injuries	445	3,126	13,548	169,202	162,571	−3.9
Accidents	1,004	7,047	30,536	389,193	366,435	−5.8
Cost of Accidents	$3,343,836	$23,471,154	$101,708,333	$1,266,500,000	$1,220,500,000	−3.6
Drivers Involved	1,711	12,006	52,028	659,844	624,337	−5.4
Vehicles Involved	1,713	12,023	52,100	660,761	625,201	−5.4



WHERE
TRAFFIC FATALITIES
OCCURRED

1979	1,849
1978	2,076

Counties Had Increases

Counties Had Decreases

Counties Had No Change

MOTOR VEHICLE DEATHS, MILEAGE AND RATES BY MONTH

Month	Traffic Deaths					1979 Percentages		
	1975	1976	1977	1978	1979	Percent Deaths	Percent Miles Driven	Death Rate*
January	120	118	126	98	102	5.5	8.3	1.9
February	97	102	87	104	103	5.6	8.4	1.9
March	112	134	122	128	129	7.0	8.4	2.4
April	93	150	143	177	152	8.2	7.5	3.2
May	149	163	184	178	146	7.9	8.9	2.6
June	169	169	179	203	155	8.4	8.3	2.9
July	195	196	223	206	190	10.3	8.3	3.6
August	203	227	194	229	171	9.2	9.4	2.9
September	190	189	164	214	174	9.4	7.9	3.4
October	162	171	189	199	187	10.1	8.6	3.4
November	161	174	181	183	171	9.3	8.2	3.3
December	160	162	158	157	169	9.1	7.8	3.4
TOTALS	1,811	1,955	1,950	2,076	1,849	100.0	100.0	2.9

***Deaths per 100 million vehicle miles.**

Motor vehicle deaths, travel and death rates are at their lowest levels during the first quarter. In 1979, the highest death total was in July. Over the 1975-1979 period, however the highest average death total has been in August.

MICHIGAN BICYCLE ACCIDENTS

In 1979, there were 53 bicyclists killed and 3,790 injured in 4,339 total reported accidents involving bicycles and motor vehicles. The number killed was 6 less than in 1978, and injuries recorded were 4.7% higher.

Children under 15 years of age accounted for 29 or 54.7 percent of the bicycle deaths in 1979.

Generally, three out of five bicyclists are killed in rural areas. In 1979, rural deaths were 31 and there were 22 in urban areas. Past experience indicates that urban areas have two to three times as many bicycle injuries and total reported accidents compared with rural experience and this was true again in 1979.

Age of Persons Killed	1975	1976	1977	1978	1979
0-4 years	2	1	2	3	3
5-9 years	11	15	8	16	9
10-14 years	18	23	17	18	17
15-19 years	17	18	10	15	10
20-24 years	1	2	3	2	3
25-34 years	2	3	1	2	8
35-44 years	4	1	2	0	0
45-54 years	1	3	0	0	2
55-64 years	2	0	0	2	0
65-74 years	1	1	0	0	0
75 and over	2	0	0	1	0
Not Stated	0	0	0	0	1
TOTALS	61	67	43	59	53

Age of Persons Injured	1975	1976	1977	1978	1979
0-4 years	75	69	64	48	61
5-9 years	695	735	676	688	651
10-14 years	1,585	1,472	1,374	1,443	1,420
15-19 years	1,089	922	893	861	965
20-24 years	326	305	274	259	306
25-34 years	178	164	141	168	204
35-44 years	52	51	45	51	73
45-54 years	34	37	32	29	24
55-64 years	23	21	20	22	25
65-74 years	18	16	14	16	19
75 and over	7	15	4	8	7
Not Stated	41	36	30	26	35
TOTALS	4,123	3,843	3,567	3,619	3,790

Detailed information can be obtained on Michigan Bicycle Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN MOTORCYCLE AND MOTOR SCOOTER DATA

Motorcycle & Motor Scooter Data	1975	1976	1977	1978	1979
Registrations	288,734	268,938	260,816	242,706	251,210
Deaths	166	137	161	160	126
Death Rate*	5.7	5.1	6.2	6.6	5.0
Estimated Mileage**	866,202	806,814	782,448	728,505	753,630
Death Rate***	19.1	17.0	20.5	22.0	16.7

***Based on 10,000 cycle registrations.**
****Based on 3,000 miles per cycle.**
*****Based on deaths per 100 million vehicle miles traveled.**

Since 1975, the number of motorcycles in the state has been decreasing. However, this year there was a 4 per cent increase in registrations from 1978. Compared with a 13.9 per cent increase in the total motor vehicles between 1975 and 1979, the number of motorcycles decreased 13.0 per cent.

There were 7,448 accidents which involved a motorcycle or moped. Of these accidents 1.7% were fatal accidents against 0.4% for cars involved in fatal accidents. 84.5% of the motorcycles and mopeds in accidents were in injury accidents against 31.0% of the cars involved in injury accidents.

Based on deaths per 10,000 registrations, mortality rate for motorcycles is 5.0 while deaths for all vehicles is 2.8 per 10,000 registered.

There are no accurate mileage figures for motorcycles, but estimates range from 3,000 to 5,000 miles per year for personal cycles. Such figures indicate that the mileage death rate, based on rider deaths only, may range between 10.0 and 16.7 (deaths per 100 million vehicle miles of travel). This compares with the 1979 death rate for all motor vehicles of 2.9 per 100 million miles which includes pedestrian and other nonoccupant deaths as occupant deaths. There were 270 mopeds involved in accidents. Of the 270 moped occupants, two were killed and 253 were injured.

Detailed information can be obtained on 1979 Michigan Motorcycle and Motor Scooter Data by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN RAILROAD ACCIDENTS

Of the 465 grade crossing accidents which happened in Michigan during 1979, 28 were fatal accidents in which 36 persons were killed. Approximately 73 percent of the vehicles struck were passenger cars. The rest were mostly trucks with no motorcycles involved.

Nearly four out of five drivers involved in these type accidents were local residents who were either driving too fast and were unable to stop or disregarded the traffic signal.

Detailed information can be obtained on Michigan Railroad Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN MOTOR VEHICLE-DEER ACCIDENTS

Michigan had 16,148 reported motor vehicle-deer accidents during 1979 in which 3 persons were killed as a result of the collision. Approximately 74 percent of the vehicles involved were passenger cars.

Accidents involving deer occurred most frequently during the second quarter (22.9%) and the last quarter (51.8%) of the year for a total of 74.7 percent of all car-deer collisions.

Approximately 62 percent of the drivers involved were local residents with 69 percent of the accidents occurring during hours of darkness.

Contrary to common belief, motor vehicle-deer accidents are happening in Michigan's southern, heavily populated counties, Kent County being the highest with 673 deer accidents.

Detailed information can be obtained on Motor Vehicle-Deer Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

SNOWMOBILE ACCIDENTS

Type of Accident	1978-1979						1977-1978		
	No. of Accidents				No. of Persons				
	Total*	Fatal	Injury	P.D.	Killed	Injured	Accidents	Killed	Injured
Overturned	130	2	126	2	2	130	146	2	147
Other Non-Collision	97	2	95	0	2	95	120	2	120
Collision With:									
Pedestrian	11	0	11	0	0	18	21	0	24
M.V. In Transport	335	7	223	105	8	279	331	12	238
M.V. — Other Roadway	0	0	0	0	0	0	0	0	0
Parked M.V.	59	3	36	20	3	44	89	7	62
Railroad Train	0	0	0	0	0	0	0	0	0
Pedalcyclist	0	0	0	0	0	0	0	0	0
Animal	7	0	4	3	0	5	3	0	2
Fixed Object	152	8	131	13	9	143	279	11	271
Other Object	20	1	19	0	1	20	29	0	30
TOTALS	811	23	645	143	25	734	1,018	34	894

***Includes 351 on Roadway Accidents — 460 Off Roadway Accidents**

Snowmobile accidents in Michigan have decreased 20.3 per cent, while registrations have increased 7.4 per cent since the last snow season. Statistics show Michigan had 69,251 registered snowmobiles during the 1968-1969 snow season. The latest statistics now show Michigan has registered 451,719 snowmobiles. The large decrease in snowmobile accidents is probably due to the light snow cover.

The dramatic increase in the number of snowmobiles has brought with it many complications, particularly those pertaining to safe operation. Accidents resulting in injuries and deaths decreased during the last snow season.

Snowmobiles in the State of Michigan are not a passing fancy to be dealt with lightly; there must be continuous concern to improve the safety for all persons involved in snowmobiling.

Detailed information can be obtained on 1979 Michigan Snowmobile Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN FARM EQUIPMENT ACCIDENTS

A total of 412 accidents involving farm equipment were reported on Michigan roadways during 1979. Of these accidents, 350 were the result of a collision with another vehicle. In 119 of these accidents, both vehicles were traveling in the same direction resulting in a rear-end collision. Of these accidents, 65.3 percent happened during daylight hours and 69.9 on dry roads.

Farm equipment accidents claimed the lives of 11 persons on Michigan roadways during 1979. Seven of the persons killed were drivers or passengers on the farm equipment. Five of the persons killed on farm equipment resulted from collision with another motor vehicle. Of the farm equipment drivers involved, 14.1 percent were 16 years and under, 97.8 percent were male drivers.

Detailed information can be obtained on Michigan Farm Equipment Accidents by contacting the Michigan Department of State Police, traffic Services Division.

OPERATION C.A.R.E. 1979

Operation C.A.R.E., Combined Accident Reduction Effort, was in full swing in 1979. The program was again funded by a grant from the Office of Highway Safety Planning.

Sixty-seven percent of the $474,000 grant for the 1979 Operation C.A.R.E. project was spent on trooper overtime wages. The C.A.R.E. grant provided funds for increasing the patrol hours of state troopers by 18,000 hours at an overtime pay rate during the three 1979 summer holidays.

With the addition of extra patrol hours, increases in the number of citations and arrests followed. An 88% increase in energy speed citations over the regular patrol hours was realized. Drunk driving arrests were up 38% over regularly scheduled patrol activity. Approximately 2.2% of all drunk drivers arrested by all police departments in Michigan for 1979 were arrested by State Troopers during Operation C.A.R.E. (based on arrest rate for 1978).

The remainder of the grant was used for administrative salaries, operating costs and public information and education items.

More than one million styrofoam cups depicting the Operation C.A.R.E. and Michigan State Police emblems were distributed during 1979. The cups were primarily used at roadside motorists safety breaks. The Jackson, Michigan area McDonald Restaurant chain utilized 50,000 cups for coffee distribution.

Motorists safety breaks were operated along major arterial highways, at 74 different locations, and were predominantely sponsored by C.B. radio affiiliated organizations. Our field reports show that an average safety break group served 5,000 people, and volunteered over 250 man hours. Each group was provided with a supply of coffee cups and Public

Information and Education items. They purchased all other supplies and were allowed to solicit donations by displaying an opaque container marked "donations". Some groups provided emergency communications based operations, Red Cross Service, free towing/road service, and diversionary entertainment for the children. These organizations also distributed thousands of motorists questionnaires designed to assess the awareness and opinions of Operation C.A.R.E.

SCHOOL BUS INSPECTION

State Police school bus inspection teams made 21,933 inspections on 15,550 school buses. Of these 15,550 buses, 8,826 (56.8%) passed the first inspection. After reinspections were made on those failing the first inspection, the passing rate rose to 13,839 (88.9%).

The five most common defects noted were: service brakes, body condition, exhaust system, windshield washer/wipers and rear view mirrors.

OCCUPANT RESTRAINTS

Michigan does not have a law requiring the use of safety restraints by all vehicle occupants. Other countries have been very successful in passing a law requiring the use of safety restraints by all vehicle occupants, which has caused significant reductions in deaths and injuries.

In reviewing the Michigan restraint data, it is very obvious that there is a great need for more voluntary compliance in restraint usage. Of the total occupants involved in accidents, only 11.2% were using restraints, down from 12.8% in 1978. There is a need to change the public attitudes, this approach is a long term comprehensive, informational and educational program designed to impact an entire population through small group communication techniques.

Vehicle Occupant Restraint Data	Total Occupants		Occupants In Fatal Accidents		Occupants In Injury Accidents		Occupants Prop. Damage Accidents	
Using Restraints	99,716	11.2%	203	5.4%	27,584	9.7%	71,929	12.0%
Not Using Restraints	720,758	81.3%	3,260	86.0%	236,600	83.5%	480,898	80.2%
Usage Unknown	66,441	7.5%	329	8.6%	19,371	6.8%	46,741	7.8%
TOTAL OCCUPANTS	886,915		3,792		283,555		599,568	

	Monthly Percentage of Occupant Restraint Usage												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978	15.7	14.5	13.6	12.7	12.8	12.3	12.2	11.7	11.9	11.7	12.2	12.0	12.8
1979	12.8	11.8	11.6	10.8	11.0	10.5	10.6	10.8	10.8	10.6	11.2	11.3	11.2

AGE OF MAJORITY ACCIDENT DATA

18-20 Years Old

(Effective 1-1-72)

One of the most publicized aspects of the drinking and driving problem has been the emphasis on the "young driver", 18 to 20 years of age. Very diverse opinions as to the significance of the data exists among the concerned interest groups.

The Michigan data reveals that the young drivers are beginning a downward trend (78-79) since a steady upward trend (74-78).

In an attempt to display the most pertinent information, the following schedules have been selected from the complete study for this publication.

DRINKING DRIVERS INVOLVED IN ACCIDENTS

Accident Type	18-20 Years				All Ages			
	1977	1978	1979	78-79 % Change	1977	1978	1979	78-79 % Change
All	12,050	12,567	9,627	−23.4	58,676	61,723	60,834	−1.4
Fatal	193	182	161	−11.5	876	957	931	−2.7
Injury	5,182	5,486	4,431	−19.2	25,063	26,623	27,122	+1.9
Property Damage	6,675	6,899	5,035	−27.0	32,737	34,143	32,781	−4.0

ALL DRIVERS INVOLVED IN ACCIDENTS

Accident Type	18-20 Years				All Ages			
	1977	1978	1979	78-79 % Change	1977	1978	1979	78-79 % Change
All	101,945	104,597	95,011	−9.2	635,420	659,844	624,337	−5.4
Fatal	492	415	363	−12.5	2,672	2,801	2,519	−10.1
Injury	30,487	31,060	28,525	−8.2	190,224	194,653	188,848	−3.0
Property Damage	70,966	73,122	66,123	−9.6	442,524	462,390	432,970	−6.4

DRINKING DRIVERS IN PERCENT OF ALL DRIVERS INVOLVED IN ACCIDENTS

Accident Type	18-20 Years				All Ages			
	1977	1978	1979	78-79 % Change	1977	1978	1979	78-79 % Change
All	11.8	12.0	10.1	−1.9	9.2	9.4	9.7	+0.3
Fatal	39.2	43.9	44.4	+0.5	32.8	34.2	37.0	+2.8
Injury	17.0	17.7	15.5	−2.2	13.2	13.7	14.4	+0.7
Property Damage	9.4	9.4	7.6	−1.8	7.4	7.4	7.6	+0.2

DRIVERS ARRESTED FOR DRIVING UNDER THE INFLUENCE OF LIQUOR (D.U.I.L.)

Arrests	18-20 Years				All Ages			
	1977	1978	1979	78-79 % Change	1977	1978	1979	78-79 % Change
Total	4,885	4,840	4,332	−10.5	37,532	39,628	41,937	+5.8
Male	4,508	4,415	3,955	−10.4	34,780	36,537	38,406	+5.1
Female	377	425	377	−11.3	2,752	3,091	3,531	+14.2

BREATH TESTING

Public Act No. 253 of 1967, which became effective November 2, 1967 brought "Implied Consent" to Michigan.

The Federal government, under the National Highway Safety Act, provided Michigan with financial assistance in purchasing breath testing equipment and the training of officers in the use of the equipment. A training program was initiated with the cooperation of Michigan State University, Michigan Department of Public Health, Law Enforcement Training Council and the Michigan Department of State Police. The facili es of Michigan State University were utilized and comprehensive 40-hour training sessions were instigated. Police agencies from throughout Michigan participated in the program with a total of 4,156 officers trained as of December 31, 1978.

As of October 1, 1978, Michigan State University ceased active participation in the Breathalyzer Program. All 40-hour breathalyzer schools are now held at the Michigan State Police Training Academy and are conducted by Michigan State Police personnel in conjunction with the Michigan Department of Public Health.

In addition to the initial training program, officers have to be re-certified annually during one-day regional sessions to maintain their proficiency of operation and to keep abreast of the many changes in law and procedures. Currently there are 1,917 active operators.

The equipment, 246 Breathalyzers and 248 simulators, were received during the initial grant period and distributed to the participating agencies statewide with programmed maintenance for all units by inspector-operators from the Michigan Department of State Police and the Detroit Police Department.

Ammendments to current legislation are analyzed constantly in trying to cope with the continuing problem of alcohol abuse and highway safety. It is certain that continued training efforts will provide the means to control this great contributing factor to traffic accidents.

Results of the breath testing program for the eleventh full year of operation are below:

Test Results	Number of Tests	% of Total Tests	% of Arrests
.00 to .07	1,185	3.7	
.08 to .099	1,071	3.3	
.10 to .149	7,269	22.4	
.15 and over	22,926	70.6	
Total breath tests	32,451	100.0	74.3
Total tests refused*	11,215		25.7
Total persons arrested	43,666		100.0

***Based on refusal forms received by Department of State (includes information on certificates of conviction).**

Blood-alcohol levels of .04 are definitely associated with increased accident involvement according to studies. When the alcohol level reaches .06, the probability of causing an accident is twice that of the no-alcohol level, at .10 the probability is six times greater and at .15 it is 25 times greater than if the driver were sober.

DUIL arrests increased in 1979, 16% over 1978. On August 1, 1978 the law was changed to permit a police officer to arrest for drunk driving at the accident scene. In 1979 5,112 arrests were made for drunk driving at the accident scene.

1979
YOUNG DRIVERS

There is no aspect of traffic safety more urgent than the problem of the dangerous young driver. Although they may seem to be unduly criticized, the available facts establish young drivers under 25 years of age as an extraordinary high risk group.

Better statistics are needed on relative miles driven by the young driver, but the overall pattern year after year is distinct. The proportion of those drivers 15 to 24 years involved in all accidents is the highest of any age group, accounting for 37.1 per cent of all drivers involved in fatal accidents. This same age group accounts for only 25.1 per cent of the driving population.

While the crash phase and post-crash phase are important for the prevention of injury and death in all age groups, the pre-crash phase is especially critical among young drivers. What are his attitudes, motivations, perceptions and reactions behind the wheel in the critical minutes and seconds before the "point-of-no-escape"? Excessive speed and loss of control, etc., may occur at any age, but never more than among young drivers. If the only assets required for safe driving were skills, reflexes and automotive knowledge, the average young driver could teach his elders. Instead, young drivers seem to provide proof that one's life-style and driving-style are inseparable. Since youth is a time of impulse, turmoil, testing and competition, that stage of driving and its consequences are increasingly tragic on both the state and national scale.

Age of Driver	Fatal Accident Drivers		Percent Change	Percent 1979 Fatal Accident Involvement	Percent Driving Population
	1978	1979			
16 years and under	85	72	−15.3	2.9	2.7
17 years	124	107	−13.7	4.2	2.7
18-19 years	248	243	−2.0	9.6	5.5
20-24 years	605	513	−15.2	20.4	14.2
Group Sub-Total	1,062	935	−12.0	37.1	25.1
25-34 years	686	616	−10.2	24.5	23.9
35-44 years	354	348	−1.7	13.8	15.8
45-54 years	266	241	−9.4	9.6	13.7
55-64 years	204	188	−7.8	7.5	12.1
65-74 years	108	81	−25.0	3.2	6.9
75 years and over	64	49	−23.4	1.9	2.6
Not Stated	57	61	+7.0	2.4	—
Group Sub-Total	1,739	1,584	−8.9	62.9	74.9
TOTAL DRIVERS	2,801	2,519	−10.1	100.0	100.0

TOTAL PERSONS KILLED

Age of Person	1975	1976	1977	1978	1979
0-4 years	48	43	49	43	39
5-9 years	77	71	62	74	57
10-14 years	81	80	91	80	63
15-19 years	394	415	413	358	342
20-24 years	331	345	334	379	310
25-34 years	271	290	305	397	350
35-44 years	157	160	166	200	190
45-54 years	135	164	138	163	167
55-64 years	116	145	138	152	128
65-74 years	92	96	128	116	99
75 years and over	108	137	116	105	95
Not Stated	1	9	10	9	9
TOTALS	1,811	1,955	1,950	2,076	1,849

RESIDENCE OF DRIVER

In three out of four of all motor vehicle traffic accidents, and two out of three fatal accidents, one of the drivers was a local resident. This generally means he lived within 25 miles of the accident location.

Resident of Driver	Drivers, All Accidents		Drivers, Fatal Accidents		Drivers, Injury Accidents		Drivers, Property Damage Accidents	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
In County	473,916	75.9	1,705	67.7	146,774	77.7	325,437	75.2
Elsewhere in State	100,832	16.2	642	25.5	31,911	16.9	68,279	15.8
Non-resident	9,554	1.5	71	2.8	2,840	1.5	6,643	1.5
Not Stated	40,035	6.4	101	4.0	7,323	3.9	32,611	7.5
TOTALS	624,337	100.0	2,519	100.0	188,848	100.0	432,970	100.0

ACCIDENT EXPERIENCE BY ROADWAY TYPE

The schedule below provides a detailed breakdown of estimated vehicle mileage, accidents, death rates (deaths per 100 million vehicle miles) and accident rates (accidents per 100 million vehicle miles) for the major roadways in Michigan.

Statewide	Estimated Mileage (Billions)	All Accidents	Deaths	Death Rate	Rates	
					Personal Inj. Accidents	Total Accidents
Limited access roadway	12.584	19,740	141	1.12	53.3	156.8
U.S. & Michigan roads	15.501	94,929	601	3.87	183.1	612.4
County & local roads	36.815	251,766	1,107	3.01	199.6	683.8
TOTALS	64.900	366,435	1,849	2.85	167.3	564.6

MICHIGAN SPEED REPORT

Type of Lane and Vehicle	1978	1979	1978-1979 Percent Change
INTERSTATE RURAL (55 mph limit)			
Passenger Vehicle			
Average Speed	58.9	58.8	−0.2
% Exceeding 55 mph	73.8	77.0	+4.3
Commercial Vehilce			
Average Speed	55.2	56.1	+1.6
% Exceeding 55 mph	48.4	58.3	+20.5
TWO LANES RURAL (55 mph limit)			
Passenger Vehicle			
Average Speed	55.0	54.5	−0.9
% Exceeding 55 mph	47.7	43.6	−8.6
Commercial Vehicle			
Average Speed	53.2	52.9	−0.6
% Exceeding 55 mph	36.5	32.1	−12.1

Average speeds for both passenger vehicles and commercial vehicles have shown a slight decrease on Michigan rural interstate roadways, as well as two lane roadways.

The Energy Conservation Act was signed into law January 2, 1974 establishing a maximum speed limit of 55 miles per hour.

This 55 mph speed limit has assisted in the traffic and safety efforts.

OBJECTS HIT

Object Hit By Vehicles	% of Total Objects Hit	Total Objects Hit	Fatal Accid.	Personal Injury Accid.	Property Damage Accid.	Rural Accid.	Urban Accid.
Guard rail or post	8.6%	4,922	41	1,738	3,143	3,084	1,838
Highway sign	10.0%	5,715	63	1,453	4,199	2,963	2,752
Street light, utility pole	15.9%	9,115	74	4,139	4,902	2,972	6,143
Culvert	0.9%	515	14	255	246	451	64
Ditch, embankment, stream	17.2%	9,827	34	3,716	6,077	8,153	1,674
Bridge pier or abutment	1.0%	587	36	305	246	304	283
Bridge rail or deck	0.8%	451	4	189	258	290	161
Tree	16.1%	9,233	153	4,558	4,522	6,480	2,753
Highway or railroad signal	0.5%	269	5	96	168	98	171
Building	3.1%	1,760	13	657	1,090	404	1,356
Mailbox	7.0%	3,980	27	847	3,106	3,312	668
Fence	5.2%	2,985	25	797	2,163	1,477	1,508
Traffic isle or curb	1.9%	1,074	9	391	674	293	781
Concrete barrier in median	1.7%	965	3	501	461	117	848
Other on-trafficway object	5.1%	2,928	18	782	2,128	1,352	1,576
Other off-trafficway object	4.3%	2,478	43	859	1,576	1,423	1,055
Overhead fixed object	0.5%	296	1	18	277	103	193
Not known	0.2%	139	4	61	74	38	101
TOTALS	100.0%	57,239	567	21,362	35,310	33,314	23,925
PERCENT TOTALS		100.0%	1.0%	37.3%	61.7%	58.2%	41.8%

The above summary lists incidents in which a fixed object was struck either as primary object hit or as the secondary object hit (rebound.)

REGISTRATIONS

	VEHICLE						OTHER		
COUNTIES	PASSENGER	COMMERCIAL	TRAILER	MOTORCYCLE	TOTAL PLATES	TOTAL REVENUE	WATERCRAFT	SNOWMOBILE	OFF ROAD
Alcona	5,378	2,145	1,599	319	9,439	258,323.27	1,796	1,628	88
Alger	4,392	2,122	1,081	379	7,974	233,643.15	1,541	1,957	96
Allegan	39,481	15,032	8,341	2,634	65,488	2,286,173.44	7,604	5,041	316
Alpena	17,138	6,585	4,700	1,123	29,546	950,993.97	4,815	4,298	60
Antrim	9,324	3,198	2,485	614	15,621	474,874.42	3,891	2,200	66
Arenac	7,136	3,073	2,086	480	12,775	400,135.82	2,754	1,967	88
Baraga	4,170	1,946	872	276	7,264	221,844.56	934	936	1
Barry	21,750	8,163	5,402	1,793	37,108	995,216.04	6,709	4,031	182
Bay	55,233	16,573	14,733	3,292	99,831	3,223,112.34	10,392	9,978	869
Benzie	6,119	2,380	1,671	417	10,587	286,540.09	2,795	1,535	25
Berrien	92,775	25,974	15,318	4,743	138,810	4,445,329.83	14,338	4,859	245
Branch	20,941	8,013	5,971	1,547	36,472	1,224,602.88	7,111	2,935	98
Calhoun	78,151	19,674	14,080	4,969	116,874	3,354,081.86	11,699	4,849	386
Cass	24,521	9,520	5,136	1,891	41,068	1,216,238.10	9,369	3,324	153
Charlevoix	10,902	3,908	2,508	821	18,139	504,621.57	3,271	2,695	94
Cheboygan	10,874	4,264	3,026	906	19,070	557,266.57	4,189	3,783	47
Chippewa	13,357	5,521	3,518	896	23,294	719,746.75	5,100	5,106	75
Clare	11,397	4,621	3,077	681	19,776	562,289.47	3,097	3,209	120
Clinton	27,396	9,849	6,871	2,371	46,487	1,362,350.65	4,734	5,568	321
Crawford	4,707	1,854	1,296	268	8,125	229,421.19	2,397	1,693	172
Delta	19,819	7,778	6,151	1,192	34,940	1,200,761.06	4,100	5,799	151
Dickinson	13,795	5,149	3,521	986	23,451	805,859.25	2,735	3,155	81
Eaton	40,986	11,968	8,990	3,205	65,161	1,883,743.41	6,685	6,056	474
Emmet	12,752	4,469	2,710	886	20,817	665,485.55	3,600	2,668	104
Genesee	255,393	57,036	41,196	13,147	368,772	11,294,035.53	32,686	27,758	2,227
Gladwin	9,159	3,898	2,864	621	16,542	461,706.39	2,767	2,434	171
Gogebic	9,150	3,706	2,023	516	15,395	470,991.58	2,639	2,280	17
Grand Traverse	32,814	9,827	7,934	1,941	52,516	1,596,113.54	8,443	5,615	192
Gratiot	20,084	7,537	5,378	1,590	34,597	1,105,151.92	4,971	3,985	178
Hillsdale	20,960	8,391	5,526	1,629	36,506	1,208,013.71	3,929	2,838	92
Houghton	15,459	5,105	2,483	935	23,982	695,026.36	2,968	2,557	13
Huron	19,461	7,889	5,829	1,383	34,362	1,131,924.80	2,963	4,481	106
Ingham	151,432	31,407	19,620	8,362	210,821	6,938,891.15	16,757	9,216	908
Ionia	24,050	8,571	5,412	2,197	40,230	1,177,778.66	4,090	4,304	193
Iosco	14,712	4,713	4,085	972	24,482	709,916.01	4,693	2,877	159
Iron	7,100	3,191	1,733	381	12,405	372,111.68	2,534	1,806	30
Isabella	20,886	7,108	4,792	1,423	34,207	1,124,052.98	3,134	3,240	147
Jackson	80,791	21,867	14,432	5,121	122,211	3,759,521.23	13,724	7,053	432
Kalamazoo	116,002	25,910	17,169	6,804	165,885	4,990,051.64	18,014	6,092	626
Kalkaska	5,410	2,841	1,867	362	10,480	422,060.37	1,603	1,675	71
Kent	258,702	54,979	45,065	14,214	372,960	13,470,929.20	35,640	18,922	1,853
Keweenaw	1,023	357	190	64	1,634	56,534.77	312	217	—
Lake	3,583	1,503	943	205	6,234	177,996.83	1,577	1,009	43
Lapeer	33,228	12,299	7,098	2,605	55,230	1,638,081.87	4,098	6,901	343
Leelanau	7,187	2,517	1,903	425	12,012	341,443.35	3,340	1,798	14
Lenawee	47,241	15,812	9,575	3,094	75,722	2,252,747.00	7,459	5,867	189
Livingston	50,564	14,455	8,916	3,060	76,997	2,229,159.43	8,921	6,221	354
Luce	3,085	1,545	1,088	159	5,877	193,924.60	1,364	1,375	43
Mackinac	4,648	2,037	1,416	432	8,533	238,107.87	3,218	2,495	63
Macomb	436,922	61,111	44,606	16,495	559,134	16,901,210.54	38,267	20,669	2,057
Manistee	12,075	4,241	2,709	681	19,706	582,786.99	3,016	2,009	77
Marquette	34,500	12,197	6,147	2,749	55,593	1,546,956.77	6,176	6,840	361
Mason	13,496	4,655	3,142	1,024	22,317	690,899.99	3,779	2,596	71
Mecosta	13,759	5,061	3,278	820	22,918	674,712.72	3,521	2,984	66
Menominee	13,056	5,011	3,206	844	22,117	801,802.68	2,358	3,282	51
Midland*	41,423	9,891	9,561	2,433	63,308	1,787,451.83	7,435	5,053	589
Missaukee	4,710	2,430	1,345	331	8,816	295,387.38	1,369	1,585	21
Monroe	69,879	20,021	13,914	4,561	108,375	3,420,132.45	9,574	6,619	499
Montcalm	23,613	8,856	5,963	1,792	40,224	1,204,991.59	4,905	4,983	154
Montmorency	4,057	1,987	1,275	243	7,562	228,633.72	1,675	1,393	61
Muskegon	85,947	21,301	15,922	5,492	128,662	3,884,233.55	13,843	9,635	844
Newaygo	16,414	6,893	4,365	1,401	29,073	950,544.10	4,165	3,696	234
Oakland	641,046	98,220	64,066	24,673	828,005	25,245,574.22	61,871	36,515	3,249
Oceana	10,278	4,484	2,248	825	17,835	550,998.25	1,926	2,565	110
Ogemaw	8,512	3,686	2,539	600	15,337	506,458.24	2,368	2,829	88
Ontonagon	4,916	2,169	1,407	226	8,618	263,346.33	1,306	2,045	60
Osceola	8,612	3,877	2,300	666	15,455	474,714.65	1,725	2,512	69
Oscoda	3,589	1,686	1,107	253	6,615	191,065.18	1,456	1,093	38
Otsego	7,861	3,187	1,957	532	13,537	464,186.73	1,979	2,327	89
Ottawa	84,497	21,763	19,087	5,708	131,055	4,382,135.37	14,128	8,756	714
Presque Isle	7,140	3,253	1,996	452	12,841	387,892.14	2,284	2,235	40
Roscommon	9,433	3,467	2,901	570	16,371	452,999.41	4,991	3,881	155
Saginaw	125,674	27,722	23,527	5,831	182,754	5,635,291.81	16,770	15,322	1,113
St. Clair	73,329	19,208	12,649	4,382	109,568	3,563,377.30	10,797	8,599	267
St. Joseph	29,034	10,496	6,317	2,191	48,038	1,519,950.93	7,813	2,170	129
Sanilac	19,928	8,047	4,814	1,530	34,319	1,153,076.92	1,591	4,400	67
Schoolcraft	4,601	1,863	1,297	322	8,083	241,715.21	1,844	1,899	135
Shiawassee	36,983	12,475	7,575	2,912	59,945	1,787,239.07	4,800	6,586	468
Tuscola	28,055	11,652	7,750	2,135	49,592	1,536,213.61	3,804	7,005	283
Van Buren	32,463	12,562	5,978	2,046	53,049	1,614,405.59	7,054	2,942	119
Washtenaw	143,392	25,910	15,083	6,939	191,324	5,354,594.54	14,704	7,699	578
Wayne	1,303,685	169,591	114,095	40,182	1,627,553	55,045,593.64	88,457	27,000	3,878
Wexford	12,942	4,639	3,518	980	21,879	671,567.43	4,182	3,013	81
Non-Resident	21,899	11,028	14,137	156	47,220	5,182,403.90	28,363	5,918	569
TOTAL	5,182,138	1,122,898	775,361	251,210	7,311,507	—	699,396	451,719	30,230

ANNUAL REPORT

- There were 1,849 persons killed and 162,571 persons injured in 366,435 reported motor vehicle traffic accidents in Michigan during 1979. Compared with 1978 experience, deaths decreased 10.9 percent, injuries decreased 3.9 percent and total reported accidents showed a 5.8 percent decrease.
- In the year 1979, deaths decreased below 1,900 for the first time since 1975.
- Some exposure factors were up in 1979. Compared with 1978, motor vehicle registrations climbed 1.4 percent, vehicle mileage decreased 3.7 percent and licensed drivers increased 1.6 percent.
- With the increase in some exposure factors in 1979, the death rate of 2.85 per 100 million vehicle miles of travel represents a decrease from the 1978 death rate of 3.08 percent.
- Urban deaths decreased 14.3 percent, injuries decreased 2.4 percent and total accidents decreased 5.2 percent as compared to 1978.
- Rural deaths decreased 9.3 percent, injuries decreased 6.1 percent and total accidents decreased 6.8 percent as compared to 1978.
- Urban areas accounted for 62 percent of all accidents and 31 percent of all traffic deaths.
- Rural areas accounted for 38 percent of all accidents and 69 percent of all traffic deaths.
- Rural areas accounted for 40 percent of all injuries while 60 percent were in urban areas.
- Pedestrian deaths decreased 13 persons over the 1978 figure. Urban pedestrian deaths were down 11 over 1978 and rural pedestrian deaths were down a total of 2 persons.

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ST-1 (Part 1) Rev. 1-71

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1979

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

STATEWIDE

TOTAL ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	11018	117	6353	4548	17216	122	8496	8598	1945	3552	2999	11018	122	8496
2. Other Non-collision	2161	15	909	1237	3801	15	1033	2753	274	448	311	2161	15	1033
Collision with: 3. Pedestrian	5271	316	4734	221	13611	319	5061	8231	1739	1809	1513	5271	319	5061
Collision with: 4. M.V. In Transport	239269	693	69717	168859	775579	824	114263	660492	12978	30734	70551	239269	824	114263
Collision with: 5. M.V.–Other Roadway	95	9	51	35	370	9	128	233	44	33	51	95	9	128
Collision with: 6. Parked M.V.	36341	28	4253	32060	49225	31	5280	43914	670	2250	2360	36341	31	5280
Collision with: 7. Railroad Train	465	28	222	215	723	36	322	365	114	111	97	465	36	322
Collision with: 8. Pedalcyclist	4311	54	3669	588	10809	54	3855	6900	795	1813	1247	4311	54	3855
Collision with: 9. Animal	16344	4	493	15847	27967	4	595	27368	93	248	254	16344	4	595
Collision with: 10. Fixed Object	50122	391	17937	31794	76344	428	23233	52683	4737	10356	8140	50122	428	23233
Collision with: 11. Other Object	1038	7	231	800	1773	7	305	1461	54	112	139	1038	7	305
Totals	366435	1662	108569	256204	977418	1849	162571	812998	23443	51466	87662	366435	1849	162571

ON ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	2330	19	1535	776	3444	19	1907	1518	469	857	581	2330	19	1907
2. Other Non-collision	1565	13	679	873	2920	13	760	2147	207	334	219	1565	13	760
Collision with: 3. Pedestrian	5066	298	4550	218	13090	301	4846	7943	1654	1741	1451	5066	301	4846
Collision with: 4. M.V. In Transport	238920	687	69613	168620	774489	818	114901	659580	12949	30684	70458	238920	818	114901
Collision with: 5. M.V.–Other Roadway	94	9	51	34	368	9	128	231	44	33	51	94	9	128
Collision with: 6. Parked M.V.	514	0	144	370	839	0	194	645	30	70	94	514	0	194
Collision with: 7. Railroad Train	458	28	218	212	712	36	317	359	112	108	97	458	36	317
Collision with: 8. Pedalcyclist	4229	52	3605	572	10598	52	3784	6762	780	1781	1223	4229	52	3784
Collision with: 9. Animal	16277	4	485	15788	27840	4	584	27252	91	242	251	16277	4	584
Collision with: 10. Fixed Object	1739	14	450	1275	2683	15	574	2094	109	239	226	1739	15	574
Collision with: 11. Other Object	932	4	198	730	1627	4	264	1359	36	97	131	932	4	264
Totals	272124	1128	81528	189468	838610	1271	127449	709890	16481	36186	74782	272124	1271	127449

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1.Overturned		8688	98	4818	3772	13772	103	6589	7080	1476	2695	2418	8688	103	6589
2.Other Non-Collision		596	2	230	364	881	2	273	606	67	114	92	596	2	273
Collision with:	3.Pedestrian	205	18	184	3	521	18	215	288	85	68	62	205	18	215
	4.M.V. In Transport	349	6	104	239	1090	6	172	912	29	50	93	349	6	172
	5.M.V.–Other Roadway	1	0	0	1	2	0	0	2	0	0	0	1	0	0
	6.Parked Motor Vehicle	35827	28	4109	31690	48386	31	5086	43269	640	2180	2266	35827	31	5086
	7.Railroad Train	7	0	4	3	11	0	5	6	2	3	0	7	0	5
	8.Pedalcyclist	82	2	64	16	211	2	71	138	15	32	24	82	2	71
	9.Animal	67	0	8	59	127	0	11	116	2	6	3	67	0	11
	10.Fixed Object	48383	377	17487	30519	73661	413	22659	50589	4628	10117	7914	48383	413	22659
	11.Other Object	106	3	33	70	146	3	41	102	18	15	8	106	3	41
Totals		94311	534	27041	66736	138808	578	35122	103108	6962	15280	12880	94311	578	35122

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	210560	1176	66452	142932
Wet	83280	319	26091	56870
Snowy/Icy	69474	145	15093	54236
Other	3121	22	933	2166
Total	366435	1662	108569	256204

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	219438	644	63127	155667
Dawn/Dusk	16496	71	4569	11856
Darkness/Lights	50351	303	16666	33382
Darkness/No Lights	78644	637	23950	54057
Not Stated	1506	7	257	1242
Total	366435	1662	108569	256204

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	39	22	17	0	20	16	3	0	0	0
5- 9	57	40	17	0	19	29	9	0	0	0
10-14	63	34	29	1	17	22	17	4	1	1
15-19	342	255	87	146	104	47	10	29	2	4
20-24	310	228	82	169	67	35	3	31	0	5
25-34	350	271	79	212	52	44	8	32	1	1
35-44	190	132	58	118	34	17	0	15	0	6
45-54	167	111	56	100	19	36	2	8	2	0
55-64	128	85	43	74	26	22	0	5	0	1
65-74	99	66	33	44	18	34	0	1	1	1
75 & Over	95	57	38	32	29	32	0	1	0	1
Not Stated	9	8	1	3	1	4	1	0	0	0
Total	1849	1309	540	899	406	338	53	126	7	20

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	4369	2308	2061	0	3931	346	61	12	0	19
5- 9	5647	3124	2523	3	3868	1052	651	46	3	24
10-14	6761	3567	3194	75	4173	776	1420	227	4	86
15-19	31658	17604	14054	16263	11790	797	965	1603	15	225
20-24	30768	17976	12792	19617	7905	553	306	2176	11	200
25-34	34657	19733	14924	24106	7551	697	204	1850	11	238
35-44	17010	8909	8101	12275	3586	320	73	605	7	144
45-54	12591	6204	6387	8880	3090	270	24	220	11	96
55-64	9547	4521	5026	6501	2647	232	25	86	9	47
65-74	4813	2151	2662	2952	1602	201	19	22	4	13
75 & Over	2266	1041	1225	1174	921	155	7	2	3	4
Not Stated	2484	1412	1072	1270	906	96	35	112	3	62
Total	162571	88550	74021	93116	51970	5495	3790	6961	81	1158

CODE OF INJURY

A–INCAPACITATING INJURY–Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B–NON-INCAPACITATING INJURY–Any injury not incapacitating but evident to others at the scene.

C–POSSIBLE INJURY–No visible injury but complaint of pain or momentary unconsciousness.

ST-1 (Part 2) Rev. 1-71

STATEWIDE

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	326154	1221	794	427	62208	41494	20714	12386	21783	28039	262725	794	41494	427	20714
2. Under 1,000	7198	15	10	5	1008	739	269	203	329	476	6175	10	739	5	739
3. 1,000 - 2,500	20200	33	26	7	2188	1674	514	357	744	1057	17979	26	1674	7	1674
4. 2,500 - 5,000	28583	29	23	6	3524	2823	701	524	1224	1776	25030	23	2823	6	701
5. 5,000 - 10,000	36124	20	15	5	4466	3692	774	653	1599	2214	31638	15	3692	5	774
6. 10,000 - 25,000	78521	70	56	14	11047	9336	1711	1506	3528	6013	67404	56	9336	14	1711
7. 25,000 - 50,000	105172	107	84	23	15524	13395	2129	1820	4784	8920	89541	84	13395	23	2129
8. 50,000 - 100,000	120895	107	69	38	19794	17475	2319	1957	5870	11967	100994	69	17475	38	2319
9. 100,000 - 250,000	111356	72	57	15	16255	14141	2114	1526	4766	9963	95029	57	14141	15	2114
10. 250,000 or more	143215	175	137	38	26557	22680	3877	2511	6809	17237	116483	137	22680	38	3877
Totals	977418	1849	1271	578	162571	127449	35122	23443	51466	87662	812998	1271	127449	578	35122

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	129316	1073	40604	87639	88128	684	24998	62446	41188	389	15606	25193	129316	1073	40604	87639
2. Under 1,000	2793	13	676	2104	1823	9	469	1345	970	4	207	759	2793	13	676	2104
3. 1,000 - 2,500	7609	27	1541	6041	5446	20	1141	4285	2163	7	400	1756	7609	27	1541	6041
4. 2,500 - 5,000	10641	25	2509	8107	7930	19	1957	5954	2711	6	552	2153	10641	25	2509	8107
5. 5,000 - 10,000	13355	18	3097	10240	9999	13	2477	7509	3356	5	620	2731	13355	18	3097	10240
6. 10,000 - 25,000	28708	67	7716	20925	22110	54	6323	15733	6598	13	1393	5192	28708	67	7716	20925
7. 25,000 - 50,000	38152	100	10523	27529	29971	78	8817	21076	8181	22	1706	6453	38152	100	10523	27529
8. 50,000 - 100,000	42607	100	13418	29089	34674	63	11537	23074	7933	37	1881	6015	42607	100	13418	29089
9. 100,000 - 250,000	40329	68	11105	29156	32005	53	9424	22528	8324	15	1681	6628	40329	68	11105	29156
10. 250,000 or more	52925	171	17380	35374	40038	135	14385	25518	12887	36	2995	9856	52925	171	17380	35374
Totals	366435	1662	108569	256204	272124	1128	81528	189468	94311	534	27041	66736	366435	1662	108569	256204

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	48200	120	62	58	9299	6309	2990	1368	2881	5050	38781	62	6309	58	2990
2. Other Full Control	3461	21	10	11	660	485	175	89	189	382	2780	10	485	11	175
3. Other US Route	79583	178	134	44	12933	10589	2344	1974	3794	7165	66472	134	10589	44	2344
4. Other State M Routes	193978	423	332	91	31412	27031	4381	4697	9365	17350	162143	332	27031	91	4381
5. Other Major Arterial	33974	41	31	10	4780	4301	479	575	1446	2759	29153	31	4301	10	479
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	618222	1066	702	364	103487	78734	24753	14740	33791	54956	513669	702	78734	364	24753
Totals	977418	1849	1271	578	162571	127449	35122	23443	51466	87662	812998	1271	127449	578	35122

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	18410	105	6265	12040	12718	49	4001	8668	5692	56	2264	3372	18410	105	6265	12040
2. Other Full Control	1330	20	443	867	949	10	306	633	381	10	137	234	1330	20	443	867
3. Other US Route	28002	157	8295	19550	22635	118	6479	16038	5367	39	1816	3512	28002	157	8295	19550
4. Other State M Routes	66927	369	20081	46477	56721	287	16646	39788	10206	82	3435	6689	66927	369	20081	46477
5. Other Major Arterial	11456	35	3197	8224	9982	26	2824	7132	1474	9	373	1092	11456	35	3197	8224
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	240310	976	70288	169046	169119	638	51272	117209	71191	338	19016	51837	240310	976	70288	169046
Totals	366435	1662	108569	256204	272124	1128	81528	189468	94311	534	27041	66736	366435	1662	108569	256204

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	4301	959	3342	282	48	234	3836	860	2976	183	51	132
2. Car Turning Right	254	174	80	7	5	2	232	155	77	15	14	1
3. Car Turning Left	357	228	129	9	7	2	335	211	124	13	10	3
4. Car Backing	209	33	176	6	0	6	194	29	165	9	4	5
5. All Others	125	23	102	12	1	11	112	22	90	1	0	1
6. Not Stated	25	5	20	0	0	0	25	5	20	0	0	0
Totals	5271	1422	3849	316	61	255	4734	1282	3452	221	79	142

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	56	1489	55	245	225	177	128	261	188	182	28
1b. Crossing not at intersection or in crosswalk	131	2305	251	704	375	261	151	261	143	135	24
2a. Walking in roadway–with traffic	32	334	4	1	44	110	60	82	20	11	2
2b. Walking in roadway–against traffic	5	53	0	3	8	18	8	8	6	2	0
3. Standing in roadway	62	353	7	7	26	76	51	109	43	28	6
4. Pushing or working on vehicle in roadway	2	164	1	1	4	35	42	50	19	5	7
5. Other working in roadway	2	43	0	0	1	4	7	23	7	1	0
6. Playing in roadway	2	89	11	48	18	5	5	0	0	0	2
7. Other in roadway	3	350	11	32	27	57	57	103	43	13	7
8. Not in roadway	40	574	18	37	64	88	67	155	82	40	23
9. Not Stated	3	79	4	3	6	13	12	26	9	5	1
Totals	338	5833	362	1081	798	844	588	1078	560	422	100

STATEWIDE

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	57773	214	19160	38399
	2a. From same direction–Both Going Straight	6802	4	1415	5383
	2b. Same–one turn, one straight	12475	8	2553	9914
	2c. Same–one stopped	17330	12	5750	11568
	2d. Same–all others	1575	1	104	1470
	3a. From opposite direction–Both Going Straight	1646	12	630	1004
	3b. Same–one left turn, one straight	14923	32	6077	8814
	3c. Same–all others	562	2	111	449
	4. Not stated	2156	0	212	1944
	Totals	115242	285	36012	78945

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction–Both Moving	13210	277	4829	8104
	2. Going same direction–Both Moving	37593	61	8628	28904
	3a. One car parked	34185	28	4041	30116
	3b. One car stopped in traffic	29685	29	10231	19425
	4a. One car entering parked pos.	213	0	45	168
	4b. One car leaving parked pos.	1581	0	165	1416
	5a. One car enter. driveway access	16130	21	4566	11543
	5b. One car leaving d/way access	22538	23	4244	18271
	6. All others/not stated	5328	6	1260	4062
	Totals	160463	445	38009	122009

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	1742	16	1468	258
		2. Fixed object	5751	31	1888	3832
		3. Other object or animal	254	0	45	209
	4. Overturning		598	7	388	203
	5. Other noncollision		334	2	210	122
Not At Inter.	Collision With:	6. Other road veh., or RR train	3034	66	2423	545
		7. Fixed Object	44371	360	16049	27962
		8. Other object or animal	17128	11	679	16438
	9. Overturning		10420	110	5965	4345
	10. Other noncollision		1825	13	698	1114
	11. Not stated		2	0	1	1
	Totals		85459	616	29814	55029

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	293907	1262	92139	200506
2. Speed Too Fast	43587	417	16078	27092
3. Speed Too Slow	349	3	123	223
4. Disregard Control/ROW	85556	492	31383	53681
5. Wrong Way	672	17	266	389
6. Left Center/Improper Pass/Lane	44150	333	9705	34112
7. Improper Turn/Signal	21824	16	5373	16435
8. Improper Backing/Start	19582	9	1158	18415
9. Following/Unable To Stop	104946	198	35457	69291
10. Other/Not Known	20271	202	6407	13662
11.				
12.				
13.				
14.				
Totals	634844	2949	198089	433806

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	274633	1072	86300	187261
2. DUIL/Drugs	10547	518	4411	5618
3. Reckless/Careless	7065	273	3949	2843
4. Inattention/Ill/Etc.	5241	26	2277	2938
5. Violation License Restriction	70	1	29	40
6. Obscured Vision	9601	56	2776	6769
7. Defective Equipment	5198	26	1823	3349
8. Lost Control/Load/Wind	208	1	70	137
9. Skidding	26428	117	7161	19150
10. Other/Not Known	295853	859	89293	205701
11.				
12.				
13.				
14.				
Totals	634844	2949	198089	433806

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	11902	283	4675	6944
2. Rear end	33966	50	8397	25519
3. Sideswipe-meeting	1811	4	385	1422
4. Sideswipe-passing	4550	6	525	4019
5. Angle	41185	186	15803	25196
6. Backed into	5174	2	318	4854
7. All others	176929	199	43876	132854
8. Not stated	188	0	42	146
Totals	275705	730	74021	200954

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	481296	1708	149314	330274
2. Passenger car and trailer	1500	9	407	1084
3. Truck or truck tractor	89168	443	23641	65084
4. Truck tractor and semi-trailer	6954	123	1861	4970
5. Other truck combination	2595	20	582	1993
6, Farm tractor and/or farm equip.	413	11	158	244
7. Bus	1824	8	548	1268
8. School Bus	1839	5	311	1523
9. Motorcycle/Motor scooter	7448	130	6292	1026
10. Other/not stated	32164	67	5857	26240
Totals	625201	2524	188971	433706

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	60834	931	27122	32781
2. Not known if drinking	50994	92	9882	41020
3. Had not been drinking	512509	1496	151844	359169
Totals	624337	2519	188848	432970

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	58127	901	25872	31354
2. Not known if drinking	21044	17	2535	18492
3. Had not been drinking	287264	744	80162	206358
Totals	366435	1662	108569	256204

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	304	123	173	8
2. Not known if drinking	4779	14	4564	201
3. Had not been drinking	1022	234	762	26
Totals	6105	371	5499	235

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	1673	15	787	871
2. 16	19318	57	5849	13412
3. 17	27947	107	8383	19457
4. 18 to 19	60593	243	18728	41622
5. 20 to 24	117019	513	37605	78901
6. 25 to 34	141238	616	45415	95207
7. 35 to 44	75354	348	23671	51335
8. 45 to 54	56548	241	17489	38818
9. 55 to 64	42616	188	12957	29471
10. 65 to 74	19961	81	5883	13997
11. 75 and older	8202	49	2398	5755
12. Not stated*	53868	61	9683	44124
Totals	624337	2519	188848	432970
H & R Drivers (Not Apprehended)	3823	5	529	3289

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	432379	2027	127176	303176
2. Female	191958	492	61672	129794
Totals	624337	2519	188848	432970

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	473916	1705	146774	325437
2. Residing elsewhere	100832	642	31911	68279
3. Non-resident	9554	71	2804	6643
4. Not stated	40035	101	7323	32611
Totals	624337	2519	188848	432970
Driverless Moving	864	5	123	736

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths	1849	2076	-10.9%
2. Estimated motor veh. mileage traveled (billions)	64.9	67.4	-3.7%
3. Death rate per 100-million-vehicle-miles	2.9	3.1	-6.5%
4. Fatal accident rate per 100-million-vehicle-miles	2.6	2.7	-3.7%

*Includes Hit & Run Drivers

ST-1 (Part 1) Rev. 1-71

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1979

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

URBAN

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	1795	15	1182	598	2644	15	1499	1130	311	671	517	1795	15	1499
	2. Other Non-collision	739	7	322	410	1344	7	369	968	80	169	120	739	7	369
Collision with:	3. Pedestrian	4132	185	3760	187	10504	185	3996	6323	1268	1455	1273	4132	185	3996
	4. M.V. In Transport	165952	193	47151	118608	529718	219	75093	454406	6321	18739	50033	165952	219	75093
	5. M.V.–Other Roadway	53	4	29	20	202	4	64	134	19	13	32	53	4	64
	6. Parked M.V.	30003	6	3378	26619	40130	6	4099	36025	417	1809	1873	30003	6	4099
	7. Railroad Train	222	3	104	115	327	3	138	186	33	49	56	222	3	138
	8. Pedalcyclist	3256	23	2771	462	8137	23	2905	5209	511	1404	990	3256	23	2905
	9. Animal	401	1	35	365	668	1	46	621	5	27	14	401	1	46
	10. Fixed Object	19713	109	6920	12684	29448	114	8826	20508	1506	4201	3119	19713	114	8826
	11. Other Object	451	3	96	352	744	3	132	609	26	43	63	451	3	132
	Totals	226717	549	65748	160420	623866	580	97167	526119	10497	28580	58090	226717	580	97167

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	808	2	589	218	1173	2	704	467	146	326	232	808	2	704
	2. Other Non-collision	628	5	288	335	1187	5	332	850	73	146	113	628	5	332
Collision with:	3. Pedestrian	4003	177	3641	185	10182	177	3858	6147	1221	1409	1228	4003	177	3858
	4. M.V. In Transport	165777	192	47097	118488	529186	218	75009	453959	6310	18721	49978	165777	218	75009
	5. M.V.–Other Roadway	52	4	29	19	200	4	64	132	19	13	32	52	4	64
	6. Parked M.V.	221	0	63	158	336	0	78	258	9	26	43	221	0	78
	7. Railroad Train	217	3	101	113	320	3	134	183	32	46	56	217	3	134
	8. Pedalcyclist	3195	22	2722	451	7987	22	2851	5114	500	1382	969	3195	22	2851
	9. Animal	398	1	35	362	664	1	46	617	5	27	14	398	1	46
	10. Fixed Object	1014	8	272	734	1531	8	351	1172	58	156	137	1014	8	351
	11. Other Object	414	1	84	329	697	1	115	581	15	39	61	414	1	115
	Totals	176727	415	54920	121392	553463	441	83542	469480	8388	22291	52863	176727	441	83542

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1.Overturned		987	13	594	380	1471	13	795	663	165	345	285	987	13	795
2.Other Non-Collision		111	2	34	75	157	2	37	118	7	23	7	111	2	37
Collision with:	3.Pedestrian	129	8	119	2	322	8	138	176	47	46	45	129	8	138
	4.M.V. In Transport	175	1	54	120	532	1	84	447	11	18	55	175	1	84
	5.M.V.–Other Roadway	1	0	0	1	2	0	0	2	0	0	0	1	0	0
	6.Parked Motor Vehicle	29782	6	3315	26461	39794	6	4021	35767	408	1783	1830	29782	6	4021
	7.Railroad Train	5	0	3	2	7	0	4	3	1	3	0	5	0	4
	8.Pedalcyclist	61	1	49	11	150	1	54	95	11	22	21	61	1	54
	9.Animal	3	0	0	3	4	0	0	4	0	0	0	3	0	0
	10.Fixed Object	18699	101	6648	11950	27917	106	8475	19336	1448	4045	2982	18699	106	8475
	11.Other Object	37	2	12	23	47	2	17	28	11	4	2	37	2	17
Totals		49390	134	10828	39028	70403	139	13625	56639	2109	6289	5227	49390	139	13625

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	131047	382	40666	89999
Wet	55814	134	17371	38309
Snowy/Icy	38119	24	7278	30817
Other	1737	9	433	1295
Total	226717	549	65748	160420

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	144674	208	39967	104499
Dawn/Dusk	8537	21	2374	6142
Darkness/Lights	43803	235	14566	29002
Darkness/No Lights	28637	82	8672	19883
Not Stated	1066	3	169	894
Total	226717	549	65748	160420

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	14	7	7	0	2	10	2	0	0	0
5- 9	27	19	8	0	6	19	2	0	0	0
10-14	28	17	11	0	4	15	7	1	1	0
15-19	70	53	17	29	20	10	4	7	0	0
20-24	82	67	15	41	13	15	2	10	0	1
25-34	102	74	28	55	8	24	3	12	0	0
35-44	65	50	15	38	10	9	0	8	0	0
45-54	60	42	18	26	4	26	1	3	0	0
55-64	44	30	14	25	3	15	0	1	0	0
65-74	45	29	16	12	5	27	0	1	0	0
75 & Over	38	22	16	11	7	19	0	1	0	0
Not Stated	5	4	1	1	0	3	1	0	0	0
Total	580	414	166	238	82	192	22	44	1	1

CODE OF INJURY

A–INCAPACITATING INJURY–Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B–NON-INCAPACITATING INJURY–Any injury not incapacitating but evident to others at the scene.

C–POSSIBLE INJURY–No visible injury but complaint of pain or momentary unconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	2750	1472	1278	0	2392	286	53	6	0	18
5- 9	3640	2064	1576	1	2271	855	477	20	0	16
10-14	3979	2110	1869	34	2226	599	1004	92	0	24
15-19	16376	8563	7813	8228	6071	517	749	775	1	89
20-24	18176	10004	8172	11603	4653	417	266	1136	2	99
25-34	21446	11730	9716	14823	4805	556	175	943	1	143
35-44	10318	5281	5037	7478	2188	251	56	277	0	68
45-54	8049	3915	4134	5752	1921	233	20	83	0	40
55-64	6171	2903	3268	4228	1658	199	18	38	2	28
65-74	3159	1397	1762	1910	1033	182	16	10	0	8
75 & Over	1395	607	788	696	565	125	6	1	0	2
Not Stated	1708	964	744	876	623	73	31	64	0	41
Total	97167	51010	46157	55629	30352	4293	2871	3445	6	571

URBAN

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Under 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	28583	29	23	6	3524	2823	701	524	1224	1776	25030	23	2823	6	701
5. 5,000 - 10,000	36124	20	15	5	4466	3692	774	653	1599	2214	31638	15	3692	5	774
6. 10,000 - 25,000	78521	70	56	14	11047	9336	1711	1506	3528	6013	67404	56	9336	14	1711
7. 25,000 - 50,000	105172	107	84	23	15524	13395	2129	1820	4784	8920	89541	84	13395	23	2129
8. 50,000 - 100,000	120895	107	69	38	13794	17475	2319	1957	5870	11967	100994	69	17475	38	2319
9. 100,000 - 250,000	111356	72	57	15	16255	14141	2114	1526	4766	9963	95029	57	14141	15	2114
10. 250,000 or more	143215	175	137	38	26557	22680	3877	2511	6809	17237	116483	137	22680	38	3877
Totals	623866	580	441	139	97167	83542	13625	10497	28580	58090	526119	441	83542	139	13625

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Under 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	10641	25	2509	8107	7930	19	1957	5954	2711	6	552	2153	10641	25	2509	8107
5. 5,000 - 10,000	13355	18	3097	10240	9993	13	2477	7509	3356	5	620	2731	13355	18	3097	10240
6. 10,000 - 25,000	28708	67	7716	20925	22110	54	6323	15733	6598	13	1393	5192	28708	67	7716	20925
7. 25,000 - 50,000	38152	100	10523	27529	29971	78	8817	21076	8181	22	1706	6453	38152	100	10523	27529
8. 50,000 - 100,000	42607	100	13418	29089	34674	63	11537	23074	7933	37	1881	6015	42607	100	13418	29089
9. 100,000 - 250,000	40329	68	11105	29156	32005	53	9424	22528	8324	15	1681	6628	40329	68	11105	29156
10. 250,000 or more	52925	171	17380	35374	40038	135	14385	25518	12887	36	2995	9856	52925	171	17380	35374
Totals	226717	549	65748	160420	176727	415	54920	121392	49990	134	10828	39028	226717	549	65748	160420

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	29031	41	24	17	5599	4287	1312	680	1629	3290	23391	24	4287	17	1312
2. Other Full Control	2519	9	3	6	503	403	100	51	123	329	2007	3	403	6	100
3. Other US Route	40758	29	23	6	6167	5446	721	693	1499	3975	34562	23	5446	6	721
4. Other State M Routes	111191	101	79	22	16831	15324	1507	1819	4767	10245	94259	79	15324	22	1507
5. Other Major Arterial	28345	24	15	9	3813	3462	351	411	1130	2272	24508	15	3462	9	351
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	412022	376	297	79	64254	54620	9634	6843	19432	37979	347392	297	54620	79	9634
Totals	623866	580	441	139	97167	83542	13625	10497	28580	58090	526119	441	83542	139	13625

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	10491	39	3806	6646	8131	22	2779	5330	2360	17	1027	1316	10491	39	3806	6646
2. Other Full Control	901	9	334	558	667	3	257	437	204	6	77	121	901	9	334	558
3. Other US Route	13607	29	4067	9511	10034	23	3493	8278	1813	6	574	1233	13607	29	4067	9511
4. Other State M Routes	36861	95	11089	25677	32776	75	9873	22828	4085	20	1216	2849	36861	95	11089	25677
5. Other Major Arterial	9506	22	2595	6889	8321	14	2318	5989	1185	8	277	900	9506	22	2595	6889
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	155351	355	43857	111139	115008	278	36200	78530	40343	77	7657	32609	155351	355	43857	111139
Totals	226717	549	65748	160420	176727	415	54920	121392	49990	134	10828	39028	226717	549	65748	160420

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	3304	864	2440	158	42	116	2997	774	2223	149	48	101
2. Car Turning Right	239	166	73	7	5	2	217	147	70	15	14	1
3. Car Turning Left	317	215	102	9	7	2	295	198	97	13	10	3
4. Car Backing	163	30	133	4	0	4	150	26	124	9	4	5
5. All Others	94	20	74	7	0	7	86	20	66	1	0	1
6. Not Stated	15	5	10	0	0	0	15	5	10	0	0	0
Totals	4132	1300	2832	185	54	131	3760	1170	2590	187	76	111

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	49	1340	46	208	199	153	119	244	179	165	27
1b. Crossing not at intersection or in crosswalk	83	1838	209	572	283	177	121	223	119	113	21
2a. Walking in roadway–with traffic	7	176	2	0	25	54	27	49	14	5	0
2b. Walking in roadway–against traffic	2	33	0	2	7	8	4	6	4	2	0
3. Standing in roadway	26	219	5	4	17	36	30	70	31	22	4
4. Pushing or working on vehicle in roadway	1	104	1	1	4	12	26	35	17	4	4
5. Other working in roadway	1	30	0	0	0	2	6	15	6	1	0
6. Playing in roadway	1	64	7	38	10	3	5	0	0	0	1
7. Other in roadway	1	232	9	20	14	27	40	71	35	10	6
8. Not in roadway	19	392	13	28	51	47	46	107	61	27	12
9. Not Stated	2	57	4	1	4	8	8	20	7	4	1
Totals	192	4485	296	874	614	527	432	840	473	353	76

URBAN

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	42755	77	13922	28756
	2a. From same direction–Both Going Straight	5554	2	1138	4414
	2b. Same–one turn, one straight	8777	1	1579	7197
	2c. Same–one stopped	13582	7	4604	8971
	2d. Same–all others	1191	1	81	1109
	3a. From opposite direction–Both Going Straight	1159	5	437	717
	3b. Same–one left turn, one straight	11247	16	4451	6780
	3c. Same–all others	403	1	80	322
	4. Not stated	1935	0	184	1751
Totals		86603	110	26476	60017

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction–Both Moving	5806	44	2069	3693
	2. Going same direction–Both Moving	25778	24	5637	20117
	3a. One car parked	28068	6	3194	24868
	3b. One car stopped in traffic	21505	9	7435	14061
	4a. One car entering parked pos.	172	0	37	135
	4b. One car leaving parked pos.	1317	0	123	1194
	5a. One car enter. driveway access	8863	3	2324	6536
	5b. One car leaving d/way access	14455	6	2509	11940
	6. All others/not stated	3441	1	754	2686
Totals		109405	93	24082	85230

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	1450	10	1221	219
		2. Fixed object	3254	12	1034	2208
		3. Other object or animal	111	0	19	92
	4. Overturning		216	0	155	61
	5. Other noncollision		163	2	105	56
Not At Inter.	Collision With:	6. Other road veh., or RR train	2028	16	1654	358
		7. Fixed Object	16459	97	5886	10476
		8. Other object or animal	741	4	112	625
	9. Overturning		1579	15	1027	537
	10. Other noncollision		576	5	217	354
	11. Not stated		0	0	0	0
Totals			26577	161	11430	14986

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	191132	494	62221	128417
2. Speed Too Fast	18343	101	6165	12077
3. Speed Too Slow	166	0	51	115
4. Disregard Control/ROW	61764	224	22387	39153
5. Wrong Way	521	4	203	314
6. Left Center/Improper Pass/Lane	30168	79	5764	24325
7. Improper Turn/Signal	15625	3	3690	11932
8. Improper Backing/Start	14961	2	856	14103
9. Following/Unable To Stop	68013	58	22395	45560
10. Other/Not Known	13693	84	4052	9557
11.				
12.				
13.				
14.				
Totals	414386	1049	127784	285553

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	178702	405	58568	119729
2. DUIL/Drugs	6078	160	2547	3371
3. Reckless/Careless	4357	140	2463	1754
4. Inattention/Ill/Etc.	2948	10	1199	1739
5. Violation License Restriction	48	0	18	30
6. Obscured Vision	5518	17	1421	4080
7. Defective Equipment	2766	14	969	1783
8. Lost Control/Load/Wind	59	0	20	39
9. Skidding	14644	24	3573	11047
10. Other/Not Known	199266	279	57006	141981
11.				
12.				
13.				
14.				
Totals	414386	1049	127784	285553

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	5317	48	2090	3179
2. Rear end	23912	22	5670	18220
3. Sideswipe-meeting	849	1	154	694
4. Sideswipe-passing	3430	4	369	3057
5. Angle	31235	67	11642	19526
6. Backed into	3649	0	224	3425
7. All others	127472	61	30381	97030
8. Not stated	144	0	28	116
Totals	196008	203	50558	145247

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	321615	582	99112	221921
2. Passenger car and trailer	727	2	206	519
3. Truck or truck tractor	48803	124	12209	36470
4. Truck tractor and semi-trailer	3658	28	900	2730
5. Other truck combination	1274	3	267	1004
6. Farm tractor and/or farm equip.	40	1	8	31
7. Bus	1643	7	488	1148
8. School Bus	1053	1	162	890
9. Motorcycle/Motor scooter	3811	46	3146	619
10. Other/not stated	24372	23	4252	20097
Totals	406996	817	120750	285429

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	33444	252	14421	18771
2. Not known if drinking	41842	52	8130	33660
3. Had not been drinking	331085	512	98112	232461
Totals	406371	816	120663	284892

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	31962	268	13775	17919
2. Not known if drinking	17306	6	2051	15249
3. Had not been drinking	177449	275	49922	127252
Totals	226717	549	65748	160420

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	206	59	140	7
2. Not known if drinking	3679	9	3504	166
3. Had not been drinking	821	139	660	22
Totals	4706	207	4304	195

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	850	0	333	517
2. 16	10651	9	2993	7649
3. 17	16110	30	4622	11458
4. 18 to 19	36659	57	10974	25628
5. 20 to 24	74737	179	23611	50947
6. 25 to 34	90976	193	29326	61457
7. 35 to 44	47120	124	14909	32087
8. 45 to 54	37636	76	11725	25835
9. 55 to 64	29159	68	8847	20244
10. 65 to 74	13654	24	3970	9660
11. 75 and older	5515	21	1557	3937
12. Not stated*	43304	35	7796	35473
Totals	406371	816	120663	284892
H & R Drivers (Not Apprehended)	3028	4	445	2579

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	279060	670	80279	198111
2. Female	127311	146	40384	86781
Totals	406371	816	120663	284892

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	317589	635	97516	219798
2. Residing elsewhere	53274	131	16687	36456
3. Non-resident	4616	9	1234	3373
4. Not stated	30892	41	5586	25265
Totals	406371	816	120663	284892
Driverless Moving	625	1	87	537

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

ST-1 (Part 1) Rev. 1-71

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1979

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

R U R A L

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	9223	102	5171	3950	14572	107	6997	7468	1634	2881	2482	9223	107	6997
	2. Other Non-collision	1422	8	587	827	2457	8	664	1785	194	279	191	1422	8	664
Collision with:	3. Pedestrian	1139	131	974	34	3107	134	1065	1908	471	354	240	1139	134	1065
Collision with:	4. M.V. In Transport	73317	500	22566	50251	245861	605	39170	206086	6657	11995	20518	73317	605	39170
Collision with:	5. M.V.–Other Roadway	42	5	22	15	168	5	64	99	25	20	19	42	5	64
Collision with:	6. Parked M.V.	6338	22	875	5441	9095	25	1181	7889	253	441	487	6338	25	1181
Collision with:	7. Railroad Train	243	25	118	100	396	33	184	179	81	62	41	243	33	184
Collision with:	8. Pedalcyclist	1055	31	898	126	2672	31	950	1691	284	409	257	1055	31	950
Collision with:	9. Animal	15943	3	458	15482	27299	3	549	26747	88	221	240	15943	3	549
Collision with:	10. Fixed Object	30409	282	11017	19110	46896	314	14407	32175	3231	6155	5021	30409	314	14407
Collision with:	11. Other Object	587	4	135	448	1029	4	173	852	28	69	76	587	4	173
	Totals	139718	1113	42821	95784	353552	1269	65404	286879	12946	22886	29572	139718	1269	65404

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	1522	17	947	558	2271	17	1203	1051	323	531	349	1522	17	1203
	2. Other Non-collision	937	8	391	538	1733	8	428	1297	134	188	106	937	8	428
Collision with:	3. Pedestrian	1063	121	909	33	2908	124	988	1796	433	332	223	1063	124	988
Collision with:	4. M.V. In Transport	73143	495	22516	50132	245303	600	39082	205621	6639	11963	20480	73143	600	39082
Collision with:	5. M.V.–Other Roadway	42	5	22	15	168	5	64	99	25	20	19	42	5	64
Collision with:	6. Parked M.V.	293	0	81	212	503	0	116	387	21	44	51	293	0	116
Collision with:	7. Railroad Train	241	25	117	99	392	33	183	176	80	62	41	241	33	183
Collision with:	8. Pedalcyclist	1034	30	883	121	2611	30	933	1648	280	399	254	1034	30	933
Collision with:	9. Animal	15879	3	450	15426	27176	3	538	26635	86	215	237	15879	3	538
Collision with:	10. Fixed Object	725	6	178	541	1152	7	223	922	51	83	89	725	7	223
Collision with:	11. Other Object	518	3	114	401	930	3	149	778	21	58	70	518	3	149
	Totals	95397	713	26608	68076	285147	830	43907	240410	8093	13895	21919	95397	830	43907

OFF ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	7701	85	4224	3392	12301	90	5794	6417	1311	2350	2133	7701	90	5794
2. Other Non-Collision	485	0	196	289	724	0	236	488	60	91	85	485	0	236
Collision with: 3. Pedestrian	76	10	65	1	199	10	77	112	38	22	17	76	10	77
4. M.V. In Transport	174	5	50	119	558	5	88	465	18	32	38	174	5	88
5. M.V.–Other Roadway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Parked Motor Vehicle	6045	22	794	5229	8592	25	1065	7502	232	397	436	6045	25	1065
7. Railroad Train	2	0	1	1	4	0	1	3	1	0	0	2	0	1
8. Pedalcyclist	21	1	15	5	61	1	17	43	4	10	3	21	1	17
9. Animal	64	0	8	56	123	0	11	112	2	6	3	64	0	11
10. Fixed Object	29684	276	10839	18569	45744	307	14184	31253	3180	6072	4932	29684	307	14184
11. Other Object	69	1	21	47	99	1	24	74	7	11	6	69	1	24
Totals	44321	400	16213	27708	68405	439	21497	46469	4853	8991	7653	44321	439	21497

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	79513	794	25786	52933
Wet	27466	185	8720	18561
Snowy/Icy	31355	121	7815	23419
Other	1384	13	500	871
Total	139718	1113	42821	95784

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	74764	436	23160	51168
Dawn/Dusk	7959	50	2195	5714
Darkness/Lights	6548	68	2100	4380
Darkness/No Lights	50007	555	15278	34174
Not Stated	440	4	88	348
Total	139718	1113	42821	95784

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	25	15	10	0	18	6	1	0	0	0
5- 9	30	21	9	0	13	10	7	0	0	0
10-14	35	17	18	1	13	7	10	3	0	1
15-19	272	202	70	117	84	37	6	22	2	4
20-24	228	161	67	128	54	20	1	21	0	4
25-34	248	197	51	157	44	20	5	20	1	1
35-44	125	82	43	80	24	8	0	7	0	6
45-54	107	69	38	74	15	10	1	5	2	0
55-64	84	55	29	49	23	7	0	4	0	1
65-74	54	37	17	32	13	7	0	0	1	1
75 & Over	57	35	22	21	22	13	0	0	0	1
Not Stated	4	4	0	2	1	1	0	0	0	0
Total	1269	895	374	661	324	146	31	82	6	19

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	1619	836	783	0	1539	60	8	6	0	6
5- 9	2007	1060	947	2	1597	197	174	26	3	8
10-14	2782	1457	1325	41	1947	177	416	135	4	62
15-19	15282	9041	6241	8035	5773	280	216	828	14	136
20-24	12592	7972	4620	8014	3252	136	40	1040	9	101
25-34	13211	8003	5208	9283	2746	141	29	907	10	95
35-44	6692	3628	3064	4797	1398	69	17	328	7	76
45-54	4542	2289	2253	3128	1169	37	4	137	11	56
55-64	3376	1618	1758	2273	989	33	7	48	7	19
65-74	1654	754	900	1042	569	19	3	12	4	5
75 & Over	871	434	437	478	356	30	1	1	3	2
Not Stated	776	448	328	394	283	23	4	48	3	21
Total	65404	37540	27864	37487	21618	1202	919	3516	75	587

CODE OF INJURY

A–INCAPACITATING INJURY–Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B–NON-INCAPACITATING INJURY–Any injury not incapacitating but evident to others at the scene.

C–POSSIBLE INJURY–No visible injury but complaint of pain or momentary unconsciousness.

ST-1 (Part 2) Rev. 1-71

RURAL

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	326154	1221	794	427	62208	41494	20714	12386	21783	28039	262725	794	41494	427	20714
2. Under 1,000	7198	15	10	5	1008	739	269	203	329	476	6175	10	739	5	269
3. 1,000 - 2,500	20200	33	26	7	2188	1674	514	357	774	1057	17979	26	1674	7	514
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	353552	1269	830	439	65404	43907	21497	12946	22886	29572	286879	830	43907	439	21497

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	129316	1073	40604	87639	88128	684	24998	62446	41188	389	15606	25193	129316	1073	40604	87639
2. Under 1,000	2793	13	676	2104	1823	9	469	1345	970	4	207	759	2793	13	676	2104
3. 1,000 - 2,500	7609	27	1541	6041	5446	20	1141	4285	2163	7	400	1756	7609	27	1541	6041
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	139718	1113	42821	95784	95397	713	26608	68076	44321	400	16213	27708	139718	1113	42821	95784

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	19169	79	38	41	3700	2022	1678	688	1252	1760	15390	38	2022	41	1678
2. Other Full Control	942	12	7	5	157	82	75	38	66	53	773	7	82	5	75
3. Other US Route	38825	149	111	38	6766	5143	1623	1281	2295	3190	31910	111	5143	38	1623
4. Other State M Routes	82787	322	253	69	14581	11707	2874	2878	4598	7105	67884	253	11707	69	2874
5. Other Major Arterial	5629	17	16	1	967	839	128	164	316	487	4645	16	839	1	128
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	206200	690	405	285	39233	24114	15119	7897	14359	16977	166277	405	24114	285	15119
Totals	353552	1269	830	439	65404	43907	21497	12946	22886	29572	286879	830	43907	439	21497

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	7919	66	2459	5394	4587	27	1222	3338	3332	39	1237	2056	7919	66	2459	5394
2. Other Full Control	429	11	109	309	252	7	49	196	177	4	60	113	429	11	109	309
3. Other US Route	14395	128	4228	10039	10841	95	2986	7760	3554	33	1242	2279	14395	128	4228	10039
4. Other State M Routes	30066	274	8992	20800	23945	212	6773	16960	6121	62	2219	3840	30066	274	8992	20800
5. Other Major Arterial	1950	13	602	1335	1661	12	506	1143	289	1	96	192	1950	13	602	1335
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	84959	621	26431	57907	54111	360	15072	38679	30848	261	11359	19228	84959	621	26431	57907
Totals	139718	1113	42821	95784	95397	713	26608	68076	44321	400	16213	27708	139718	1113	42821	95784

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	997	95	902	124	6	118	839	86	753	34	3	31
2. Car Turning Right	15	8	7	0	0	0	15	8	7	0	0	0
3. Car Turning Left	40	13	27	0	0	0	40	13	27	0	0	0
4. Car Backing	46	3	43	2	0	2	44	3	41	0	0	0
5. All Others	31	3	28	5	1	4	26	2	24	0	0	0
6. Not Stated	10	0	10	0	0	0	10	0	10	0	0	0
Totals	1139	122	1017	131	7	124	974	112	862	34	3	31

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	7	149	9	37	26	24	9	17	9	17	1
1b. Crossing not at intersection or in crosswalk	48	467	42	132	92	84	30	38	24	22	3
2a. Walking in roadway–with traffic	25	158	2	1.	19	56	33	33	6	6	2
2b. Walking in roadway–against traffic	3	20	0	1	1	10	4	2	2	0	0
3. Standing in roadway	36	134	2	3	9	40	21	39	12	6	2
4. Pushing or working on vehicle in roadway	1	60	0	0	0	23	16	15	2	1	3
5. Other working in roadway	1	13	0	0	1	2	1	8	1	0	0
6. Playing in roadway	1	25	4	10	8	2	0	0	0	0	1
7. Other in roadway	2	118	2	12	13	30	17	32	8	3	1
8. Not in roadway	21	182	5	9	13	41	21	48	21	13	11
9. Not Stated	1	22	0	2	2	5	4	6	2	1	0
Totals	146	1348	66	207	184	317	156	238	87	69	24

TRAFFIC ACCIDENT SUMMARY FOR CITIES

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Adrian	1,101	1	254	846	1	340
Albion	323	1	65	257	1	86
Algonac	80	0	14	66	0	21
Allegan	242	0	39	203	0	58
Allen Park	1,448	3	443	1,002	4	633
Alma	402	2	64	336	2	91
Alpena	456	0	134	322	0	178
Ann Arbor	2,715	7	961	1,747	7	1,349
Armada	0	0	0	0	0	0
Bad Axe	152	0	36	116	0	54
Battle Creek	2,046	4	467	1,575	4	640
Bay City	1,895	2	436	1,457	2	567
Belding	198	2	32	164	2	43
Benton Harbor	900	1	189	710	1	247
Berkley	664	1	213	450	1	301
Bessemer	88	0	16	72	0	25
Beverly Hills	297	1	104	192	1	166
Big Rapids	649	0	121	528	0	177
Birmingham	1,076	0	254	822	0	345
Blissfield	84	0	18	66	0	28
Bloomfield Hills	268	1	75	192	1	102
Boyne City	152	0	30	122	0	38
Brighton	339	0	74	265	0	100
Buchanan	184	0	40	144	0	49
Burton	1,097	3	349	745	3	525
Cadillac	575	0	147	428	0	197
Caro	224	0	39	185	0	61
Center Line	419	1	127	291	1	189
Charlevoix	203	0	36	167	0	47
Charlotte	256	1	78	177	1	117
Cheboygan	189	0	67	122	0	87
Chelsea	142	0	30	112	0	35
Chesaning	119	0	29	90	0	41
Clare	167	0	29	138	0	36
Clawson	511	2	146	363	2	208
Clio	99	1	22	76	1	30
Coldwater	535	0	122	413	0	160
Corunna	76	1	20	55	1	27
Davison	159	0	42	117	0	58
Dearborn	4,850	14	1,586	3,250	14	2,337
Dearborn Heights	2,359	4	742	1,613	4	1,161
Detroit	52,925	171	17,380	35,374	175	26,557
Dowagiac	380	0	63	317	0	80
Durand	136	1	29	106	1	40
East Detroit	1,209	4	356	849	5	543
East Grand Rapids	334	0	64	270	0	83
East Jordan	10	0	4	6	0	5
East Lansing	1,316	1	397	918	1	575
Eaton Rapids	128	0	33	95	0	45
Ecorse	683	4	147	532	4	204
Escanaba	831	2	143	686	2	208
Essexville	109	0	15	94	0	19
Farmington	491	2	148	341	2	204
Farmington Hills	1,941	10	735	1,196	12	1,143
Fenton	345	1	111	233	1	174
Ferndale	519	4	277	238	4	422
Flat Rock	229	0	57	172	0	90
Flint	7,749	14	2,065	5,670	14	3,097
Flushing	185	0	57	128	0	87
Frankenmuth	154	0	45	109	0	64

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Franklin	81	0	24	57	0	29
Fraser	749	2	254	493	2	366
Fremont	162	0	34	128	0	54
Garden City	1,265	3	362	900	3	542
Gaylord	195	0	33	162	0	45
Gibralter	98	2	36	60	2	53
Gladstone	157	0	25	132	0	34
Grand Blanc	213	1	61	151	1	89
Grand Haven	759	0	145	614	0	204
Grand Ledge	185	0	41	144	0	49
Grand Rapids	11,343	10	2,285	9,048	11	3,133
Grandville	632	1	160	471	1	224
Grayling	142	1	29	112	1	50
Greenville	382	0	79	303	0	122
Grosse Pointe	60	0	17	43	0	19
Grosse Pointe Farms	194	0	68	126	0	104
Grosse Pointe Park	295	1	74	220	1	91
Grosse Pointe Shores	57	0	25	32	0	31
Grosse Pointe Woods	268	0	63	205	0	75
Hamtramck	956	2	244	710	2	354
Hancock	285	0	34	251	0	47
Harper Woods	246	2	103	141	2	148
Hartford	66	0	13	53	0	17
Hastings	317	1	65	251	1	89
Hazel Park	1,376	3	469	904	3	680
Highland Park	1,060	7	411	642	7	628
Hillsdale	421	0	92	329	0	123
Holland	1,089	6	293	790	7	436
Holly	119	0	33	86	0	50
Houghton	322	0	32	290	0	39
Howell	313	0	72	241	0	102
Hudson	80	0	17	63	0	23
Hudsonville	105	0	22	83	0	31
Huntington Woods	185	0	62	123	0	88
Inkster	1,079	4	354	721	4	558
Ionia	403	1	69	333	1	104
Iron Mountain	330	0	102	228	0	154
Iron River	149	0	21	128	0	25
Ironwood	382	0	89	293	0	131
Ispheming	326	0	55	271	0	74
Ithaca	95	0	19	76	0	21
Jackson	2,784	2	590	2,192	2	833
Kalamazoo	5,216	7	1,120	4,089	7	1,554
Keego Harbor	135	0	40	95	0	56
Kentwood	1,398	3	383	1,012	3	571
Kingsford	204	0	35	169	0	54
Lake Orion	168	0	51	117	0	75
L'Anse	103	0	16	87	0	16
Lansing	6,283	6	1,487	4,790	6	2,084
Lapeer	467	1	116	350	2	178
Lathrup Village	257	0	106	151	0	154
Laurium	63	0	10	53	0	10
Lincoln Park	1,953	2	507	1,444	2	737
Linden	55	2	9	44	2	12
Livonia	3,806	9	1,312	2,485	10	1,937
Lowell	161	0	42	119	0	57
Ludington	446	0	78	368	0	105
Madison Heights	1,634	2	549	1,083	2	828
Manistee	489	1	92	396	1	115
Manistique	119	0	20	99	0	28

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Marine City	228	3	44	181	3	63
Marquette	1,330	3	275	1,052	3	375
Marshall	302	0	87	215	0	128
Marysville	203	0	63	140	0	98
Mason	189	0	32	157	0	41
Melvindale	493	2	157	334	3	237
Memphis	23	0	5	18	0	8
Menominee	491	0	119	372	0	158
M.S.U.	373	0	88	285	0	107
Midland	1,677	6	411	1,260	6	628
Miland	113	0	25	88	0	31
Milford	183	1	43	139	1	61
Monroe	691	1	258	432	1	358
Montrose	45	0	8	37	0	11
Mt. Clemens	957	3	278	676	3	381
Mt. Morris	111	2	29	80	2	44
Mt. Pleasant	725	0	186	539	0	270
Munising	106	0	16	90	0	23
Muskegon	2,634	5	693	1,936	5	1,009
Muskegon Heights	740	1	171	568	1	246
Negaunee	322	0	45	277	0	64
New Baltimore	243	1	81	161	1	122
New Buffalo	56	0	15	41	0	22
New Haven	48	0	17	31	0	25
Newberry	87	0	17	70	0	18
Niles	748	1	184	563	1	261
North Muskegon	164	0	42	122	0	57
Northville	184	0	56	128	0	71
Norton Shores	835	2	262	571	2	364
Norway	107	0	19	88	0	25
Novi	917	6	344	567	7	555
Oak Park	1,133	3	251	879	3	360
Otsego	112	0	25	87	0	33
Owosso	525	0	137	388	0	186
Oxford	106	1	29	76	1	37
Paw Paw	189	0	39	150	0	56
Petoskey	319	0	67	252	0	108
Plainwell	111	0	18	93	0	30
Pleasant Ridge	159	1	42	116	1	62
Plymouth	378	0	96	282	0	126
Pontiac	4,243	9	1,278	2,956	9	1,868
Port Huron	1,896	6	302	1,588	6	465
Portage	1,447	5	416	1,026	6	624
Portland	107	0	28	79	0	38
Richmond	110	1	28	81	1	35
River Rouge	346	0	74	272	0	105
Riverview	414	0	107	307	0	150
Rochester	317	0	51	266	0	66
Rockwood	66	0	15	51	0	26
Rogers City	98	2	21	75	2	27
Romeo	154	1	34	119	1	48
Romulus	1,478	11	578	889	12	925
Roosevelt Park	100	0	26	74	0	44
Roseville	2,385	9	783	1,593	9	1,126
Royal Oak	2,657	7	864	1,786	8	1,213
Saginaw	4,572	13	1,337	3,222	14	2,003
St. Clair	143	0	29	114	0	39
St. Clair Shores	938	2	577	359	2	852
St. Ignace	123	0	19	104	0	29
St. Johns	346	0	62	284	0	89

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
St. Joseph	585	1	93	491	1	129
St. Louis	89	0	26	63	0	37
Saline	178	2	48	128	2	75
Saulte Ste. Marie	737	1	99	637	1	125
South Haven	129	0	36	93	0	51
South Lyon	127	0	22	105	0	31
Southfield	3,688	8	1,263	2,417	8	1,893
Southgate	1,515	3	474	1,038	3	714
Sparta	101	0	27	74	0	34
Spring Lake	158	0	31	127	0	42
Springfield	262	1	78	183	2	115
Sterling Heights	3,191	8	1,043	2,140	8	1,586
Sturgis	507	0	103	404	0	156
Swartz Creek	146	0	45	101	0	65
Taylor	2,812	9	1,022	1,781	9	1,593
Tecumseh	302	1	59	242	1	85
Three Rivers	205	0	63	142	0	88
Traverse City	1,369	2	372	995	2	544
Trenton	506	2	190	314	2	290
Troy	2,703	13	882	1,808	14	1,368
Utica	302	1	81	220	1	112
Vassar	120	0	23	97	0	26
Wakefield	60	1	11	48	1	17
Walker	803	4	206	593	5	319
Walled Lake	216	0	66	150	0	101
Warren	6,298	15	2,370	3,913	17	3,667
Wayne	818	5	270	543	5	404
W.M.U.	145	0	28	117	0	38
Westland	2,184	10	893	1,281	15	1,385
Whitehall	139	0	34	105	0	45
Williamston	63	1	20	42	1	37
Wixom	251	1	87	163	1	141
Wolvering Lake	67	0	14	53	0	15
Woodhaven	401	1	129	271	4	187
Wyandotte	1,401	2	302	1,097	2	405
Wyoming	3,321	5	940	2,376	5	1,367
Ypsilanti	1,332	0	275	1,057	0	379
Zeeland	117	0	18	99	0	21
Avon Twp.	1,378	4	454	920	5	715
Battle Creek Twp.	1,029	2	260	767	2	367
Benton Twp.	1,103	2	273	828	2	414
Blackman Twp.	757	3	233	521	3	341
Bloomfield Twp.	1,784	5	594	1,185	5	896
Bridgeport Twp.	565	4	161	400	4	247
Buena Vista Twp.	635	2	203	430	2	294
Clay Twp.	225	5	70	150	6	124
Clinton Twp.	2,834	9	1,009	1,816	9	1,561
Davison Twp.	252	3	103	146	3	155
Delhi Twp.	458	0	134	324	0	196
Dewitt Twp.	351	1	104	246	1	154
Emmet Twp.	482	1	152	329	1	242
Flint Twp.	1,508	6	543	959	7	795
Genesee Twp.	714	7	284	423	9	479
Grand Blanc Twp.	573	3	209	361	3	349
Green Oak Twp.	295	3	99	193	3	148
Grosse Ile Twp.	180	0	58	122	0	76
Huron Twp.	202	0	73	129	0	102
Kalamazoo Twp.	612	0	183	429	0	270
Leoni Twp.	615	4	200	411	4	278
Meridian Twp.	959	5	280	674	6	448
Montrose Twp.	107	4	42	61	5	70

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Mt. Morris	1,039	1	334	704	1	516
Napoleon Twp.	188	1	67	120	1	97
Niles Twp.	505	4	150	351	4	239
Northville Twp.	265	1	110	154	1	201
Oakland Twp.	235	2	98	135	2	141
Pontiac Twp.	923	3	320	600	4	478
Redford Twp.	1,982	10	698	1,274	12	1,054
Richfield Twp.	167	3	74	90	3	123
Saginaw Twp.	1,590	3	444	1,143	3	622
St. Joseph Twp.	585	1	93	491	1	129
Shebly Twp.	1,049	5	345	699	5	555
Vienna Twp.	386	5	151	230	5	244
Waterford Twp.	3,033	12	1,086	1,935	12	1,688
West Bloomfield Twp.	1,168	8	332	828	8	486
White Lake Twp.	485	5	169	311	5	275
Wright Twp.	31	0	8	23	0	14
TOTALS	258,989	691	76,211	182,087	732	113,135

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Alcona	342	4	109	229	0	214	128	4	161
Alger	358	5	102	251	0	176	182	6	166
Allegan	2,596	21	702	1,873	134	1,659	803	27	1,089
Alpena	1,087	6	291	790	0	598	489	10	412
Antrim	592	8	155	429	0	346	246	10	222
Arenac	618	8	170	440	65	301	252	8	284
Baraga	359	4	73	282	0	216	143	4	119
Barry	1,678	12	437	1,229	0	1,172	506	12	644
Bay	4,902	26	1,425	3,451	231	2,864	1,807	30	2,036
Benzie	482	4	127	351	0	270	212	5	172
Berrien	7,279	30	1,873	5,376	787	4,574	1,918	31	2,759
Branch	1,644	10	420	1,214	117	926	601	12	623
Calhoun	6,219	24	1,607	4,588	889	4,173	1,157	28	2,317
Cass	1,910	17	461	1,432	0	1,079	831	20	702
Charlevoix	812	5	193	614	0	406	406	5	298
Cheboygan	791	4	266	521	90	436	265	4	385
Chippewa	1,165	8	201	956	256	761	148	11	288
Clare	1,148	8	249	891	0	581	567	10	360
Clinton	1,914	11	528	1,375	172	1,180	562	12	767
Crawford	504	5	125	374	161	208	135	6	206
Delta	1,722	11	358	1,353	0	1,083	639	12	546
Dickinson	1,134	5	269	860	0	584	550	7	415
Eaton	2,877	20	877	1,980	300	1,310	1,267	23	1,303
Emmet	1,149	3	344	802	5	557	587	3	550
Genesee	16,212	77	5,031	11,104	1,131	10,964	4,117	85	7,719
Gladwin	638	3	164	471	0	345	293	3	244
Gogebic	741	3	185	553	0	418	323	4	271
Grand Traverse	2,894	18	865	2,011	0	1,885	1,009	23	1,306
Gratiot	1,597	16	386	1,195	0	929	668	20	582

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN (Continued)

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Hillsdale	1,615	11	437	1,167	0	1,007	608	12	692
Houghton	1,418	6	260	1,152	0	564	854	6	362
Huron	1,126	11	274	841	0	543	583	13	413
Ingham	11,600	20	2,998	8,582	1,349	6,792	3,459	21	4,334
Ionia	2,317	19	542	1,756	203	1,470	644	22	824
Iosco	1,155	10	292	853	0	603	552	12	471
Iron	550	1	100	449	0	270	280	1	128
Isabella	1,857	6	497	1,354	0	1,184	673	7	762
Jackson	6,573	29	1,824	4,720	1,169	4,210	1,194	32	2,648
Kalamazoo	9,809	45	2,392	7,372	936	7,135	1,738	49	3,446
Kalkaskas	480	3	136	341	0	256	224	3	211
Kent	22,510	56	5,363	17,091	1,033	16,168	5,309	64	7,694
Keweenaw	86	0	24	62	0	29	57	0	27
Lake	392	6	101	285	0	222	170	7	173
Lapeer	2,404	19	715	1,670	0	1,442	962	22	1,071
Leelanau	477	2	131	344	0	230	247	2	190
Lenawee	3,622	22	1,005	2,595	0	2,006	1,616	24	1,465
Livingston	3,218	24	954	2,240	512	2,100	606	27	1,435
Luce	265	4	67	194	0	135	130	4	107
Mackinac	556	1	132	423	47	164	345	1	207
Macomb	23,351	82	8,289	14,980	1,168	14,826	7,357	89	12,575
Manistee	1,025	4	258	763	0	621	404	4	365
Marquette	3,124	18	750	2,356	0	2,011	1,113	22	1,098
Mason	1,289	5	292	992	0	793	496	6	415
Mecosta	1,872	8	376	1,488	0	1,022	850	11	566
Menominee	1,245	3	278	964	0	708	537	4	381
Midland	2,847	16	787	2,044	0	2,100	747	17	1,223
Missaukee	339	3	82	254	0	173	166	4	122
Monroe	4,185	32	1,440	2,713	339	2,467	1,379	34	2,190
Montcalm	2,091	12	491	1,588	0	1,081	1,010	12	739
Montmorency	338	4	83	251	0	188	150	4	149
Muskegon	6,730	28	1,951	4,751	525	4,791	1,414	30	2,877
Newaygo	1,331	9	380	942	0	839	492	9	575
Oakland	40,328	152	13,298	26,878	3,069	28,042	9,217	165	19,832
Oceana	710	6	216	488	0	493	217	7	332
Ogemaw	841	6	198	637	170	458	213	7	304
Ontonagon	315	5	84	226	0	116	199	5	125
Osceola	922	4	182	736	0	468	454	4	291
Oscoda	378	5	85	288	0	191	187	10	125
Otsego	676	2	187	487	87	409	180	2	277
Ottawa	5,399	33	1,431	3,935	249	3,674	1,476	35	2,132
Presque Isle	511	5	121	385	0	249	262	5	164
Roscommon	741	8	178	555	59	295	387	8	267
Saginaw	10,313	47	3,091	7,175	519	6,433	3,361	54	4,681
St. Clair	5,035	33	1,262	3,740	159	2,848	2,028	36	1,918
St. Joseph	2,028	14	506	1,508	0	1,018	1,010	14	798
Sanilac	1,224	8	321	895	0	633	591	9	492
Schoolcraft	341	4	82	255	0	132	209	5	120
Shiawassee	2,131	17	716	1,398	187	1,213	731	21	1,064
Tuscola	1,825	17	543	1,265	0	1,090	735	19	860
Van Buren	2,148	23	678	1,447	302	1,321	525	26	1,035
Washtenaw	9,257	53	2,882	6,322	1,091	5,819	2,347	58	4,183
Wayne	92,913	315	30,446	62,152	7,226	66,020	19,667	337	46,146
Wexford	1,238	10	368	860	0	496	742	12	544
TOTALS	366,435	1,662	108,569	256,204	24,737	239,783	101,915	1,849	162,571

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY

County	1975	1976	1977	1978	1979	5 Year Total
POPULATION UNDER 10,000						
Alcona	2	0	9	7	4	22
Alger	7	4	6	4	6	27
Baraga	4	2	5	4	4	19
Benzie	6	7	7	2	5	27
Crawford	1	3	8	9	6	27
Kalkaska	7	8	1	4	3	23
Keweenaw	1	2	2	1	0	6
Lake	7	2	3	1	7	20
Luce	0	6	3	3	4	16
Mackinac	9	6	4	7	1	27
Missaukee	1	4	2	8	4	19
Montmorency	3	5	4	2	4	18
Oscoda	7	3	3	6	10	29
Roscommon	6	11	5	18	8	48
Schoolcraft	2	3	7	6	5	23
POPULATION 10,000-15,000						
Antrim	11	4	6	6	10	37
Arenac	10	18	7	10	8	53
Gladwin	1	5	6	2	3	17
Iron	3	2	5	3	1	14
Leelanau	7	3	6	4	2	22
Ogemaw	6	11	3	10	7	37
Ontonagon	7	7	8	9	5	36
Osceola	4	2	6	4	4	20
Otsego	3	11	7	3	2	26
Presque Isle	2	3	9	11	5	30
POPULATION 15,000-25,000						
Charlevoix	3	8	8	13	5	37
Cheboygan	5	12	9	9	4	39
Clare	13	2	12	13	10	50
Dickinson	3	5	8	3	7	26
Emmet	16	7	13	7	3	46
Gogebic	9	7	6	5	4	31
Iosco	13	8	12	8	12	53
Manistee	6	7	2	6	4	25
Mason	7	9	7	13	6	42
Menominee	5	5	14	9	4	37
Oceana	7	11	10	12	7	47
Wexford	9	13	10	7	12	51
POPULATION 25,000-50,000						
Alpena	9	6	5	9	10	39
Barry	17	18	16	14	12	77
Branch	6	11	14	11	12	54
Cass	22	15	18	24	20	99
Chippewa	9	3	5	5	11	33
Clinton	11	10	20	24	12	77
Delta	7	9	21	17	12	66
Grand Traverse	15	16	14	16	23	84
Gratiot	5	11	15	12	20	63
Hillsdale	13	11	7	12	12	55
Houghton	11	7	3	8	6	35
Huron	12	16	14	11	13	66
Ionia	16	15	16	12	22	81

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY (Continued)

County	1975	1976	1977	1978	1979	5 Year Total
POPULATION 25,000-50,000 (Continued)						
Isabella	16	14	15	11	7	63
Mecosta	7	5	11	8	11	42
Montcalm	19	17	23	18	12	89
Newaygo	14	3	11	21	9	58
St. Joseph	12	13	21	14	14	74
Sanilac	12	7	12	18	9	58
Tuscola	10	26	14	25	19	94
POPULATION 50,000-100,000						
Allegan	27	16	32	20	27	122
Eaton	19	18	19	28	23	107
Lapeer	14	18	19	34	22	107
Lenawee	30	20	21	26	24	121
Livingston	31	27	24	34	27	143
Marquette	23	26	17	13	22	101
Midland	12	13	15	19	17	76
Shiawassee	11	17	18	12	21	79
Van Buren	19	25	28	23	26	121
POPULATION OVER 100,000						
Bay	27	30	42	32	30	161
Berrien	60	37	30	41	31	199
Calhoun	37	43	20	28	28	156
Genesee	95	107	108	104	85	499
Ingham	26	34	39	35	21	155
Jackson	32	44	29	36	32	173
Kalamazoo	25	31	36	45	49	186
Kent	55	70	61	83	64	333
Macomb	83	104	90	113	89	479
Monroe	36	42	42	44	34	198
Muskegon	35	29	26	43	30	163
Oakland	161	165	152	178	165	821
Ottawa	21	19	30	28	35	133
Saginaw	48	53	63	53	54	271
St. Clair	38	47	42	45	36	208
Washtenaw	41	50	69	64	58	282
Wayne	349	411	360	356	337	1,813
TOTALS	1,811	1,955	1,950	2,076	1,849	9,641

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES
10,000 POPULATION AND OVER

City	1975	1976	1977	1978	1979	5 Year Total
POPULATION 10,000-15,000						
Albion	0	2	0	0	1	3
Alpena	0	0	0	0	0	0
Beverly Hills	2	2	1	1	1	7
Big Rapids	1	0	1	0	0	2
Center Line	0	0	0	0	1	1
East Grand Rapids	0	0	0	0	0	0
Farmington	1	2	1	0	2	6
Fraser	2	1	4	2	2	11
Grand Haven	0	1	0	0	0	1
Grandville	2	1	1	4	1	9
Grosse Pointe Farms	2	2	3	1	0	8
Melvindale	3	3	3	2	3	14
Menominee	0	0	1	1	0	2
Niles	0	2	0	1	1	4
Plymouth	0	0	1	1	0	2
Riverview	1	0	0	0	0	1
St. Joseph	2	1	0	0	1	4
Walker	1	6	2	7	5	21
POPULATION 15,000-25,000						
Adrian	1	0	0	3	1	5
Benton Harbor	0	2	2	1	1	6
Berkley	1	0	1	1	1	4
Clawson	1	0	1	1	2	5
Ecorse	2	1	0	2	4	9
Escanaba	4	2	0	3	2	11
Grosse Pointe Park	0	0	0	1	1	2
Grosse Pointe Woods	0	1	0	2	0	3
Harper Woods	1	1	0	5	2	9
Hazel Park	4	0	1	3	3	11
Kentwood	1	4	3	6	3	17
Marquette	1	2	2	1	3	9
Monroe	1	3	4	2	1	11
Mount Clemens	2	1	3	2	3	11
Mount Pleasant	0	1	2	1	0	4
Muskegon Heights	2	0	1	0	1	4
Norton Shores	4	5	4	5	2	20
Owosso	1	2	3	1	0	7
River Rouge	0	0	1	0	0	1
Romulus	3	11	10	8	12	44
Sault Ste. Marie	0	0	1	1	1	3
Traverse City	3	3	5	1	2	14
Trenton	4	7	4	0	2	17
Wayne	4	2	1	3	5	15
POPULATION 25,000-50,000						
Allen Park	7	7	8	10	4	36
Battle Creek	3	4	3	10	4	24
Bay City	6	8	2	4	2	22
Birmingham	2	0	2	3	0	7
East Detroit	2	4	3	3	5	17
East Lansing	0	0	4	1	1	6
Ferndale	3	2	2	3	4	14
Garden City	1	4	4	1	3	13
Hamtramck	2	2	3	5	2	14
Highland Park	5	1	5	7	7	25
Holland	1	1	3	2	7	14

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES
10,000 POPULATION AND OVER (Continued)

County	1975	1976	1977	1978	1979	5 Year Total
POPULATION 25,000-50,000 (Continued)						
Inkster	4	3	4	5	4	20
Jackson	4	9	2	4	2	21
Madison Heights	2	6	1	1	2	12
Midland	3	4	3	7	6	23
Muskegon	4	1	7	4	5	21
Oak Park	1	0	2	3	3	9
Portage	0	3	5	7	6	21
Port Huron	4	6	8	5	6	29
Southgate	2	5	3	8	3	21
Troy	12	11	11	13	14	61
Wyandotte	4	5	3	2	2	16
Ypsilanti	5	1	2	4	0	12
POPULATION OVER 50,000						
Ann Arbor	5	6	4	8	7	30
Dearborn	17	27	17	16	14	91
Dearborn Heights	5	6	10	3	4	28
Detroit	183	225	195	172	175	950
Flint	26	17	16	32	14	105
Grand Rapids	12	15	16	13	11	67
Kalamazoo	10	5	5	8	7	35
Lansing	12	15	10	9	6	52
Lincoln Park	8	5	5	8	2	28
Livonia	23	12	9	16	10	70
Pontiac	16	13	13	13	9	64
Roseville	4	5	7	14	9	39
Royal Oak	6	5	4	7	8	30
Saginaw	8	4	11	6	14	43
St. Clair Shores	3	5	5	4	2	19
Southfield	9	15	12	13	8	57
Sterling Heights	10	7	7	9	8	38
Taylor	18	23	15	14	9	79
Warren	11	25	19	18	17	90
Westland	10	11	11	12	15	59
Wyoming	8	7	6	9	5	36

RURAL

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	15018	137	5238	9643
	2a. From same direction- Both Going Straight	1248	2	277	969
	2b. Same–one turn, one straight	3698	7	974	2717
	2c. Same–one stopped	3748	5	1146	2597
	2d. Same–all others	384	0	23	361
	3a. From opposite direction- Both Going Straight	487	7	193	287
	3b. Same–one left turn, one straight	3676	16	1626	2034
	3c. Same–all others	159	1	31	127
	4. Not stated	221	0	28	193
Totals		28639	175	9536	18928

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction- Both Moving	7404	233	2760	4411
	2. Going same direction- Both Moving	11815	37	2991	8787
	3a. One car parked	6117	22	847	5248
	3b. One car stopped in traffic	8180	20	2796	5364
	4a. One car entering parked pos.	41	0	8	33
	4b. One car leaving parked pos.	264	0	42	222
	5a. One car enter. driveway access	7267	18	2242	5007
	5b. One car leaving d/way access	8083	17	1735	6331
	6. All others/not stated	1887	5	505	1376
Totals		51058	352	13927	36779

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	292	6	247	39
		2. Fixed object	2497	19	854	1624
		3. Other object or animal	143	0	26	117
	4. Overturning		382	7	233	142
	5. Other noncollision		171	0	105	66
Not At Inter.	Collision With:	6. Other road veh., or RR train	1006	50	769	187
		7. Fixed Object	27912	263	10163	17486
		8. Other object or animal	16387	7	567	15813
	9. Overturning		8841	95	4938	3808
	10. Other noncollision		1249	8	481	760
	11. Not stated		2	0	1	1
Totals			58882	455	18384	40043

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	102775	768	29918	72089
2. Speed Too Fast	25244	316	9913	15015
3. Speed Too Slow	183	3	72	108
4. Disregard Control/ROW	23792	268	8996	14528
5. Wrong Way	151	13	63	75
6. Left Center/Improper Pass/Lane	13982	254	3941	9787
7. Improper Turn/Signal	6199	13	1683	4503
8. Improper Backing/Start	4621	7	302	4312
9. Following/Unable To Stop	36933	140	13062	23731
10. Other/Not Known	6578	118	2355	4105
11.				
12.				
13.				
14.				
Totals	220458	1900	70305	148253

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	95931	667	27732	67532
2. DUIL/Drugs	4469	358	1864	2247
3. Reckless/Careless	2708	133	1486	1089
4. Inattention/Ill/Etc.	2293	16	1078	1199
5. Violation License Restriction	22	1	11	10
6. Obscured Vision	4083	39	1355	2689
7. Defective Equipment	2432	12	854	1566
8. Lost Control/Load/Wind	149	1	50	98
9. Skidding	11784	93	3588	8103
10. Other/Not Known	96587	580	32287	63720
11.				
12.				
13.				
14.				
Totals	220458	1900	70305	148253

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	6585	235	2585	3765
2. Rear end	10054	28	2727	7299
3. Sideswipe-meeting	962	3	231	728
4. Sideswipe-passing	1120	2	156	962
5. Angle	9950	119	4161	5670
6. Backed into	1525	2	94	1429
7. All others	49457	138	13495	35824
8. Not stated	44	0	14	30
Totals	79697	527	23463	55707

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	159681	1126	50202	108353
2. Passenger car and trailer	773	7	201	565
3. Truck or truck tractor	40365	319	11432	28614
4. Truck tractor and semi-trailer	3296	95	961	2240
5. Other truck combination	1321	17	315	989
6. Farm tractor and/or farm equip.	373	10	150	213
7. Bus	181	1	60	120
8. School Bus	786	4	149	633
9. Motorcycle/Motor scooter	3637	84	3146	407
10. Other/not stated	7792	44	1605	6143
Totals	218205	1707	68221	148277

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	27390	679	12701	14010
2. Not known if drinking	9152	40	1752	7360
3. Had not been drinking	181424	984	53732	126708
Totals	217966	1703	68185	148078

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	26165	633	12097	13435
2. Not known if drinking	3738	11	484	3243
3. Had not been drinking	109815	469	30240	79106
Totals	139718	1113	42821	95784

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	98	64	33	1
2. Not known if drinking	1100	5	1060	35
3. Had not been drinking	201	95	102	4
Totals	1399	164	1195	40

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	823	15	454	354
2. 16	8667	48	2856	5763
3. 17	11837	77	3761	7999
4. 18 to 19	23934	186	7754	15994
5. 20 to 24	42282	334	13994	27954
6. 25 to 34	50262	423	16089	33750
7. 35 to 44	28234	224	8762	19248
8. 45 to 54	18912	165	5764	12983
9. 55 to 64	13457	120	4110	9227
10. 65 to 74	6307	57	1913	4337
11. 75 and older	2687	28	841	1818
12. Not stated*	10564	26	1887	8651
Totals	217966	1703	68185	148078
H & R Drivers (Not Apprehended)	795	1	84	710

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	153319	1357	46897	105065
2. Female	64647	346	21288	43013
Totals	217966	1703	68185	148078

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	156327	1070	49618	105639
2. Residing elsewhere	47558	511	15224	31823
3. Non-resident	4938	62	1606	3270
4. Not stated	9143	60	1737	7346
Totals	217966	1703	68185	148078
Driverless Moving	239	4	36	199

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

DEATHS, INJURIES AND ACCIDENTS BY LOCATIONS

Year	Total	Statewide		Rural	
		Urban	Rural	Trunkline	County Road
DEATHS					
1961	1,567	467	1,100	554	546
1962	1,574	470	1,104	577	527
1963	1,887	594	1,293	670	623
1964	2,122	698	1,424	706	718
1965	2,136	708	1,428	743	685
1966	2,298	748	1,550	812	738
1967	2,137	719	1,418	734	684
1968	2,392	703	1,689	865	824
1969	2,487	769	1,718	908	810
1970	2,177	662	1,515	746	769
1971	2,152	661	1,491	737	754
1972	2,258	737	1,521	743	778
1973	2,213	709	1,504	730	774
1974	1,875	640	1,235	533	702
1975	1,811	610	1,201	692	509
1976	1,955	691	1,264	569	695
1977	1,950	628	1,322	605	717
1978	2,076	679	1,399	641	758
1979	1,849	580	1,269	579	690
INJURIES					
1961	93,350	58,097	35,253	16,674	18,579
1962	108,143	68,634	39,509	19,677	19,832
1963	126,896	81,436	45,460	22,024	23,436
1964	144,623	92,828	51,795	24,750	27,045
1965	155,258	99,225	56,033	27,025	29,008
1966	156,694	97,983	58,711	26,907	31,804
1967	151,297	95,583	55,714	26,122	29,592
1968	161,413	99,813	60,600	27,386	33,214
1969	175,400	114,409	60,991	27,790	33,201
1970	161,719	102,960	58,759	26,205	32,554
1971	157,664	99,762	57,902	25,800	32,012
1972	178,929	115,834	63,095	28,147	34,948
1973	169,485	108,170	61,315	25,599	35,716
1974	141,132	88,755	52,377	20,209	32,168
1975	147,299	91,573	55,726	21,053	34,673
1976	162,894	99,704	63,190	25,251	37,939
1977	166,389	99,612	66,777	26,927	39,850
1978	169,202	99,533	69,669	28,194	41,475
1979	162,571	97,167	65,404	26,171	39,233
ACCIDENTS					
1961	199,973	146,770	53,203	24,833	28,370
1962	233,078	173,973	59,285	27,961	31,324
1963	261,794	196,131	65,663	30,017	35,645
1964	284,444	210,951	73,493	33,761	39,732
1965	310,598	228,091	82,507	37,859	44,648
1966	302,880	215,172	87,708	38,875	48,833
1967	299,004	212,094	86,910	38,233	48,677
1968	305,495	209,854	95,641	42,021	53,620
1969	331,223	231,375	99,848	44,131	55,717
1970	313,715	210,932	102,783	44,984	57,799
1971	314,015	204,095	109,920	48,941	60,979
1972	359,745	236,116	123,629	53,673	69,956
1973	350,864	228,660	122,204	50,431	71,773
1974	324,763	210,716	114,047	43,396	70,651
1975	333,560	213,934	119,626	44,707	74,919
1976	365,600	232,293	133,307	52,401	80,906
1977	374,751	232,322	142,429	55,813	86,616
1978	389,193	239,201	149,992	58,582	91,410
1979	366,435	226,717	139,718	54,759	84,959

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1937	189	127	149	142	161	176	221	234	202	224	181	169	2,175
1939	118	65	84	91	109	99	126	139	153	164	161	145	1,454
1939	101	89	103	80	118	122	172	150	128	166	164	187	1,580
1940	122	98	137	99	130	141	127	161	158	216	184	157	1,730
1941	131	128	152	128	193	178	195	231	176	230	219	172	2,133
1942	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943	59	51	79	44	75	89	82	67	110	118	96	122	992
1944	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946	107	98	121	88	110	106	119	130	123	143	160	165	1,470
1947	86	86	85	113	124	114	134	149	134	142	145	135	1,447
1948	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949	101	82	106	91	110	99	116	138	169	144	149	136	1,441
1950	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953	139	116	136	132	134	173	176	183	187	187	167	175	1,905
1954	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979	102	103	129	152	146	155	190	171	174	187	171	169	1,849

TREND DATA FOR FATAL ACCIDENTS

Trend Data	1975	1976	1977	1978	1979
AGE OF PERSONS KILLED, TOTAL					
0-4 years	48	43	49	47	39
5-9 years	77	71	62	74	57
10-14 years	81	80	91	80	63
15-19 years	394	415	413	358	342
20-24 years	331	345	334	379	310
25-34 years	271	290	305	397	350
35-44 years	157	160	166	200	190
45-54 years	135	164	138	163	167
55-64 years	116	145	138	152	128
65-74 years	92	96	128	116	99
75 years and over	108	137	116	105	95
Not Stated	1	9	10	9	9
TOTALS	1,811	1,955	1,950	2,076	1,849
AGE OF PERSONS KILLED, PEDESTRIANS					
0-4 years	26	15	21	18	16
5-9 years	48	45	37	38	29
10-14 years	30	27	27	35	22
15-19 years	42	49	32	36	47
20-24 years	25	24	35	30	35
25-34 years	23	27	39	45	44
35-44 years	19	23	25	27	17
45-54 years	21	42	24	29	36
55-64 years	37	30	28	32	22
65-74 years	20	19	30	28	34
75 years and over	39	37	45	30	32
Not Stated	0	3	5	3	4
TOTALS	230	341	348	351	338
AGE OF DRIVERS INVOLVED					
15 years and under	20	16	23	15	15
16 years	51	74	81	70	57
17 years	109	110	94	124	107
18-19 years	278	309	340	248	243
20-24 years	490	545	531	605	513
25-34 years	542	596	615	686	616
35-44 years	293	308	315	354	348
45-54 years	224	253	237	266	241
55-64 years	143	170	198	204	188
65 years and over	136	174	186	172	130
Not Stated	35	48	52	57	61
TOTALS	2,321	2,603	2,672	2,801	2,519
PEDESTRIAN ACTION					
Crossing at intersection	57	40	50	43	56
Crossing not at intersection	147	171	180	147	131
In road with traffic	17	38	13	33	32
In road against traffic	5	2	2	7	5
Standing or lying in road	38	43	62	62	62
Pushing or working on vehicle	8	6	6	8	2
Other working in road	1	2	0	1	2
Playing in road	2	1	3	3	2
In road for other reasons	27	8	11	6	3
Not in road	27	24	21	41	40
Other or not stated	1	6	0	0	3
TOTALS	330	341	348	351	338

FATAL ACCIDENTS AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

Holiday	Fatal Accidents	Persons Killed
MEMORIAL DAY		
1979 (3)	15	17
1978 (3)	22	25
1977 (3)	30	32
1976 (3)	29	34
1975 (3)	23	28
FOURTH OF JULY		
1979 (1)	12	12
1978 (4)	23	23
1977 (3)	31	34
1976 (3)	17	19
1975 (3)	25	27
LABOR DAY		
1979 (3)	24	31
1978 (3)	26	31
1977 (3)	16	18
1976 (3)	26	31
1975 (3)	20	25
THANKSGIVING		
1979 (4)	23	27
1978 (4)	25	29
1977 (4)	29	32
1976 (4)	26	29
1975 (4)	14	16
CHRISTMAS		
1979 (4)	26	29
1978 (3)	22	31
1977 (3)	12	14
1976 (3)	15	17
1975 (4)	17	17
NEW YEARS		
1979 (4)	23	27
1978 (3)	7	7
1977 (3)	13	15
1976 (3)	11	13
1975 (4)	17	22

Summary for 1979

This schedule shows the traffic dealth tolls in Michigan for the past five years for the major holiday periods.

Of the major holdays listed, the average deaths were the highest during the 4th of July period, with 9.6 persons killed per day. The next highest holiday toll occurred during the Labor Day period with 9.5 persons killed per day followed by the Christmas period with 6.8 persons killed per day.

Based on the total 1979 experience, the average daily deaths amounted to 5.1 persons per day.

Comparing all weekend deaths, Saturdays and Sundays, plus six hours of the preceding Friday, daily death average 7.3 persons per day.

From experience, it is evident that Michigan highways has its share of tragedies.

Figures in parentheses show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

MOTOR VEHICLE TRAFFIC ACCIDENT AND RELATED DATA

Year	Deaths	Injuries	Accidents	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate**
1933	1,278	—	—	8,430.0	1,083,057	15.2
1934	1,511	—	—	9,080.0	1,155,453	16.6
1935	1,676	—	—	9,980.0	1,246,690	16.8
1936	1,924	—	—	12,280.0	1,382,571	15.7
1937	2,175	31,141	92,230	13,668.0	1,514,960	15.9
1938	1,454	22,891	71,114	12,872.8	1,416,514	11.3
1939	1,580	28,465	91,965	14,062.7	1,482,485	11.2
1940	1,730	34,247	116,154	15,132.3	1,563,635	11.4
1941	2,133	40,708	133,236	17,043.5	1,717,449	12.5
1942	1,325	28,967	100,125	13,900.3	1,626,861	9.5
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,551.8	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
1948	1,512	40,892	140,172	19,069.2	2,030,685	7.9
1949	1,441	41,647	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,174,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,885	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,935	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,853.0	6,138,732	3.0
1978	2,076	169,202	389,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.9

*Excludes trailers and trailer coaches.
**Deaths per 100 million miles of travel.